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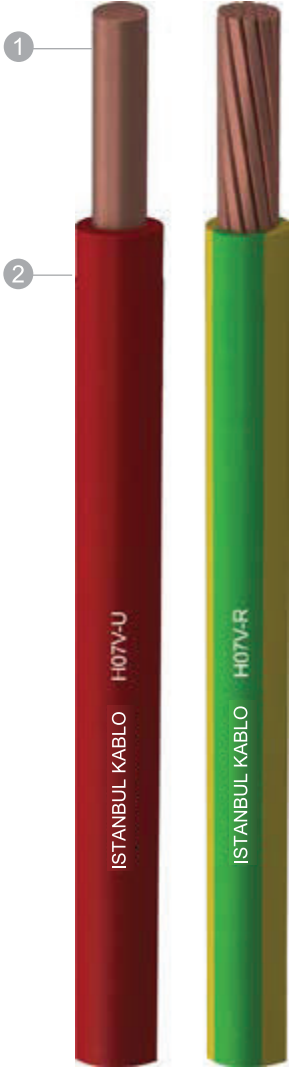
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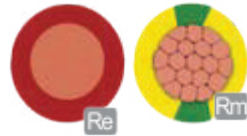
# H05V-U / H07V-U H07V-R



1) Som veya Örgülü Bakır  
Solid or Stranded Copper

2) PVC İzole  
PVC Insulation

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



## STANDARD

TS EN 50525-2-31

## TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	:05-300/500V 07-450/750V

## KULLANIM ALANLARI

Sabit tesislerde, kuru yerlerde, dağıtım panoları ve kapalı alanlarda, fabrika, atölye ve her türlü iş yerinde sıva altı veya sıva üstünde kullanılır.

## TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD
Rated Voltage	:05-300/500V 07-450/750V

## USAGE AREAS

It is used as surface mounted or flush mounted in stationary plants, dry places, distribution boards and closed spaces, factories, workshops and any kind of workplaces.

**70°C**  
Max. işletme sıcaklığı  
Max. Operating temperature

**160°C**  
Kısa devre sıcaklığı  
Short circuit temperature

**2 kV- 2.5 kV**  
Test Gerilimi (AC)  
Test Voltage (AC)  
2 kV - 2.5 kV

**IEC 60332-1**  
Alev dayanıklılık  
Flame retardant  
IEC 60332-1

**Pb**  
Kurşunsuz  
Lead-free

**Örgülü**  
Stranded

**Som**  
Solid

**5°C**  
Serim sıcaklığı  
minimum 5°C  
Installation temperature  
min 5°C

**Dağıtım panoları**  
Distribution panels

**Boru içinde**  
In conduit

**İç tesisat**  
Internal wiring

## TEKNİK ÖZELLİKLER TECHNICAL DATA

# H05V-U / H07V-U H07V-R

### H05V-U (300/500V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
0.5	2	9	36	8.25	100	C 100
0.75	2.15	15	24.5	10.65	100	C 100
1	2.3	19	18.1	13.26	100	C 100

### H07V-U (450/750V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
1.5	2.70	24	12.1	19.45	100	C 100
2.5	3.30	32	7.41	30.45	100	C 100
4	3.75	42	4.61	44.65	100	C 100
6	4.25	54	3.08	63.2	100	C 100
10	5.45	73	1.83	104.7	100	C 100

### H07V-R (450/750V)

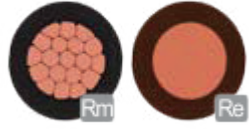
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
1.5	2.95	24	12.1	20.3	100	C 100
2.5	3.6	32	7.41	32.1	100	C 100
4	4.1	42	4.61	46.45	100	C 100
6	4.65	54	3.08	64.9	100	C 100
10	5.9	73	1.83	109.1	100	C 100
16	6.85	98	1.15	163.5	100	C 100
25	8.60	129	0.727	253.9	100	C 100
35	9.80	158	0.524	343.1	1000	R 700
50	11.2	197	0.387	463.8	1000	R 800
70	13.10	245	0.268	660.6	1000	R 800
95	15.30	290	0.193	912.9	1000	R 1000
120	16.60	345	0.153	1132	1000	R 1000
150	18.50	390	0.124	1400	1000	R 1100
185	21.05	445	0.0991	1771	1000	R 1200
240	23.90	525	0.0754	2315	1000	R 1300
300	27.50	605	0.0601	2858	1000	R 1400

# H05V2-U / H07V2-U H07V2-R



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) Yüksek Sıcaklığa Dayanıklı PVC  
High Temperature Resistant PVC

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



## STANDARD

TS EN 50525-2-31

## TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	:05-300/500V 07-450/750V

## KULLANIM ALANLARI

Çalışma sıcaklığının yüksek olması gereken koşullarda (+90 °C) ev cihazlarında, sabit tesislerde, kuru yerlerde, dağıtım panoları ve kapalı alanlarda, fabrika, atölye ve her türlü iş yerinde sıva altı veya sıva üstünde kullanılır.

## TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD
Rated Voltage	:05-300/500V 07-450/750V

## USAGE AREAS

When it is required high operating temperatures (+90°) and for house hold appliances, it is used as surface mounted or flush mounted in stationary plants, dry places, distribution boards and closed spaces, factories, workshops and any kind of workplaces.



## TEKNİK ÖZELLİKLER TECHNICAL DATA

# H05V2-U/H07V2-U H07V2-R

### H05V2-U (300/500V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
0.5	2	9	36	8.25	100	C 100
0.75	2.15	15	24.5	10.65	100	C 100
1	2.3	19	18.1	13.26	100	C 100

### H07V2-U (450/750V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
1.5	2.75	24	12.1	19.45	100	C 100
2.5	3.35	32	7.41	30.45	100	C 100
4	3.8	42	4.61	44.65	100	C 100
6	4.3	54	3.08	63.2	100	C 100
10	5.45	73	1.83	104.7	100	C 100

### H07V2-U (450/750V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
1.5	2.95	24	12.1	20.3	100	C 100
2.5	3.6	32	7.41	32.1	100	C 100
4	4.1	42	4.61	46.45	100	C 100
6	4.65	54	3.08	64.9	100	C 100
10	5.9	73	1.83	109.1	100	C 100
16	6.85	98	1.15	163.5	100	C 100
25	8.45	129	0.727	253.9	100	C 100
35	9.55	158	0.524	343.1	1000	R 700
50	11.2	197	0.387	463.8	1000	R 800
70	12.9	245	0.268	660.6	1000	R 800
95	15.1	290	0.193	912.9	1000	R 1000
120	16.25	345	0.153	1132	1000	R 1000
150	18.2	390	0.124	1400	1000	R 1100
185	20.65	445	0.0991	1771	1000	R 1200
240	23.45	525	0.0754	2315	1000	R 1300
300	26.5	605	0.0601	2858	1000	R 1400

## TEKNİK ÖZELLİKLER TECHNICAL DATA

# H05V3-U / H07V3-U H07V3-R

### H05V3-U (300/500V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
0.5	2	9	36	8.25	100	C 100
0.75	2.15	15	24.5	10.65	100	C 100
1	2.3	19	18.1	13.26	100	C 100

### H07V3-U (450/750V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
1.5	2.75	24	12.1	19.45	100	C 100
2.5	3.35	32	7.41	30.45	100	C 100
4	3.8	42	4.61	44.65	100	C 100
6	4.3	54	3.08	63.2	100	C 100
10	5.45	73	1.83	104.7	100	C 100

### H073V-R (450/750V)

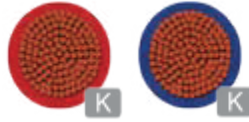
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
1.5	2.95	24	12.1	20.3	100	C 100
2.5	3.6	32	7.41	32.1	100	C 100
4	4.1	42	4.61	46.45	100	C 100
6	4.65	54	3.08	64.9	100	C 100
10	5.9	73	1.83	109.1	100	C 100
16	6.85	98	1.15	163.5	100	C 100
25	8.45	129	0.727	253.9	100	C 100
35	9.55	158	0.524	343.1	1000	R 700
50	11.2	197	0.387	463.8	1000	R 800
70	12.9	245	0.268	660.6	1000	R 800
95	15.1	290	0.193	912.9	1000	R 1000
120	16.25	345	0.153	1132	1000	R 1000
150	18.2	390	0.124	1400	1000	R 1100
185	20.65	445	0.0991	1771	1000	R 1200
240	23.45	525	0.0754	2315	1000	R 1300
300	26.5	605	0.0601	2858	1000	R 1400

## H05V-K / H07V-K



- 1) İnce Telli Bükülgen Bakır  
Fine Wired Flexible Copper
- 2) PVC İzole  
PVC Insulation

K : İnce Telli Bükülgen Bakır  
K : Fine Wired Flexible Copper



### STANDARD

TS EN 50525-2-31

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 05-300/500V 07-450/750V

### KULLANIM ALANLARI

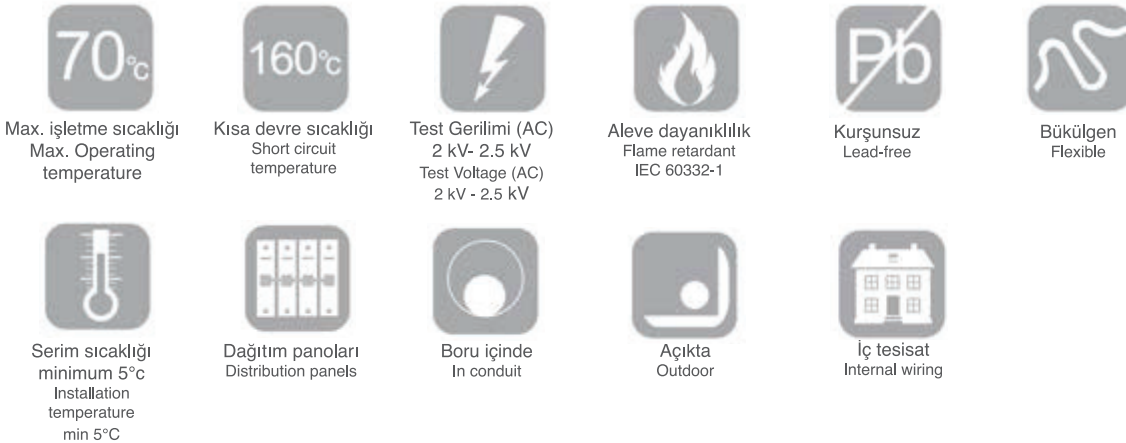
Sabit tesislerde, kuru yerlerde, dağıtım panoları ve kapalı alanlarda, fabrika, atölye ve her türlü iş yerinde sıva altı veya sıva üstünde kullanılır.

### TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD
Rated Voltage	: 05-300/500V 07-450/750V

### USAGE AREAS

It is used as surface mounted or flush mounted in stationary plants, dry places, distribution boards and closed spaces, factories, workshops and any kind of workplaces.

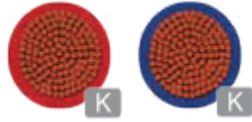


## H05V-K / H07V-K



- 1) İnce Telli Bükülgen Bakır  
Fine Wired Flexible Copper
- 2) PVC İzole  
PVC Insulation

K : İnce Telli Bükülgen Bakır  
K : Fine Wired Flexible Copper



### STANDARD

TS EN 50525-2-31

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 05-300/500V 07-450/750V

### KULLANIM ALANLARI

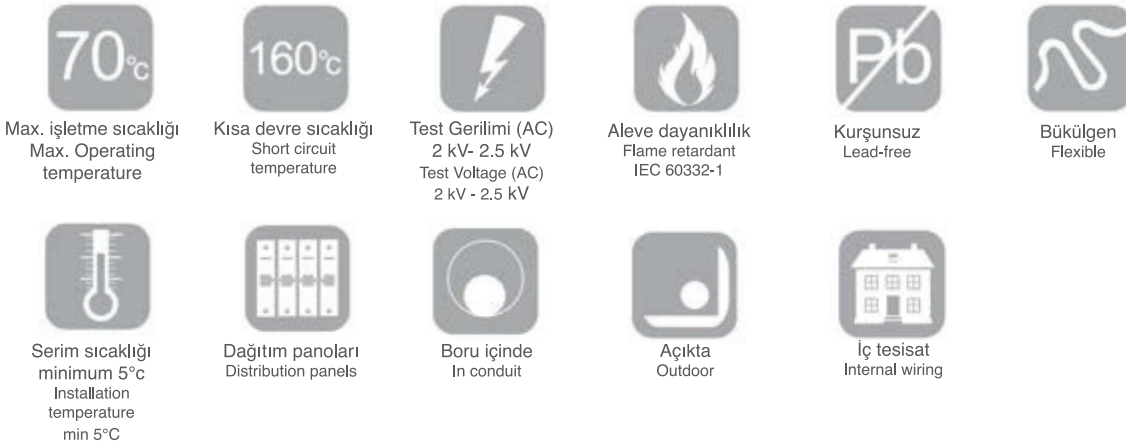
Sabit tesislerde, kuru yerlerde, dağıtım panoları ve kapalı alanlarda, fabrika, atölye ve her türlü iş yerinde sıva altı veya sıva üstünde kullanılır.

### TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD
Rated Voltage	: 05-300/500V 07-450/750V

### USAGE AREAS

It is used as surface mounted or flush mounted in stationary plants, dry places, distribution boards and closed spaces, factories, workshops and any kind of workplaces.



## TEKNİK ÖZELLİKLER TECHNICAL DATA

## H05V-K / H07V-K

### H05V-K (300/500V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kagal/Coil R: Makara/Reel
0.5	2	11	39	8.36	100	C 100
0.75	2.25	16	26	10.98	100	C 100
1	2.4	20	19.5	13.7	100	C 100

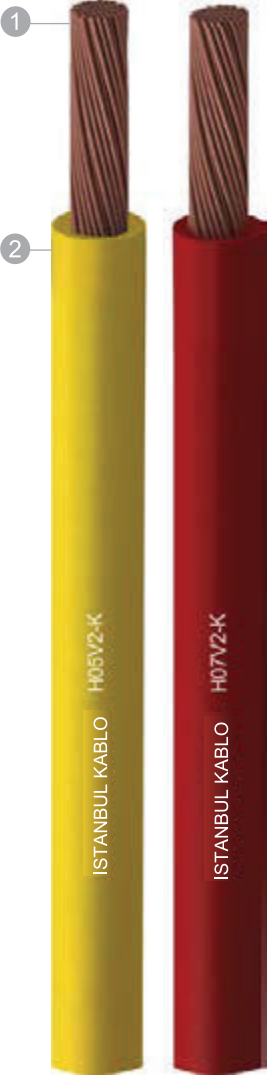
### H07V-K (450/750V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kagal/Coil R: Makara/Reel
1.5	2.85	24	13.3	20	100	C 100
2.5	3.50	32	7.98	30	100	C 100
4	4.05	42	4.95	44	100	C 100
6	4.50	54	3.3	62	100	C 100
10	6.10	73	1.91	107	100	C 100
16	7.10	98	1.21	160	100	C 100
25	8.70	129	0.78	246	1000	R 700
35	10.40	158	0.554	344	1000	R 700
50	12.25	198	0.386	485	1000	R 800
70	14.50	245	0.272	668	1000	R 800
95	16.65	292	0.206	881	500	R 800
120	18.55	344	0.161	1126	500	R 900
150	20.60	391	0.129	1399	500	R 1000
185	22.80	448	0.106	1708	500	R 1000
240	26.10	528	0.0801	2283	250	R 900
300	28.60	620	0.0641	2811	250	R 1000

# PVC İzoleli ısıya Dayanıklı Bükülgen Tesisat Kabloları

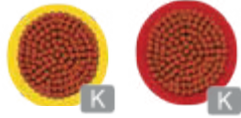
## PVC insulated Heat Resistant Flexible installation Cables

### H05V2-K / H07V2-K



- 1) İnce Telli Bükülgen Bakır  
Fine Wired Flexible Copper
- 2) Yüksek Sıcaklığa Dayanıklı PVC  
High Temperature Resistant PVC

K : İnce Telli Bükülgen Bakır  
K : Fine Wired Flexible Copper



#### STANDARD

TS EN 50525-2-31

#### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 05-300/500V 07-450/750V

#### KULLANIM ALANLARI

Çalışma sıcaklığının yüksek olması gereken koşullarda (+90 °C) ev cihazlarında. sabit tesislerde. kuru yerlerde. dağıtım panoları veya kapalı alanlarda. fabrika. atölye ve her türlü iş yerinde sıva altı veya sıva üstünde kullanılır.

#### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD
Rated Voltage	: 05-300/500V 07-450/750V

#### USAGE AREAS

When it is required high operating temperatures (+90°) and for house hold appliances. it is used as surface mounted or flush mounted in stationary plants. dry places. distribution boards and closed spaces. factories. workshops and any kind of workplaces.



Max. işletme sıcaklığı  
Max. Operating temperature



Kısa devre sıcaklığı  
Short circuit temperature



Test Gerilimi (AC)  
2 kV- 2.5 kV  
Test Voltage (AC)  
2 kV - 2.5 kV



Aleve dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Bükülgen  
Flexible



Yüksek ısıya dayanıklı  
High temperature resistant



Serim sıcaklığı  
minimum 5°C  
Installation temperature  
min 5°C



Dağıtım panoları  
Distribution panels



Boru içinde  
In conduit



Açıkta  
Outdoor



İç tesisat  
Internal wiring

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## H05V2-K / H07V2-K

### H05V2-K (300/500V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
0.5	2.1	11	39	8.36	100	C 100
0.75	2.3	16	26	10.98	100	C 100
1	2.5	20	19.5	13.7	100	C 100

### H07V2-K (450/750V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
1.5	2.95	24	13.3	20	100	C 100
2.5	3.55	32	7.98	30	100	C 100
4	4.1	42	4.95	44	100	C 100
6	4.6	54	3.3	62	100	C 100
10	6.1	73	1.91	107	100	C 100
16	7.1	98	1.21	160	100	C 100
25	8.7	129	0.78	246	1000	R 700
35	10.4	158	0.554	344	1000	R 700
50	12.15	198	0.386	485	1000	R 800
70	14.5	245	0.272	668	1000	R 1000
95	16.65	292	0.206	881	500	R 800
120	18.55	344	0.161	1126	500	R 900
150	20.6	391	0.129	1399	500	R 1000
185	22.8	448	0.106	1708	500	R 1000
240	26.1	528	0.0801	2283	250	R 900
300	28.6	620	0.0641	2811	250	R 1000

# PVC İzoleli Soğuğa Dayanıklı Bükülgen Tesisat Kabloları

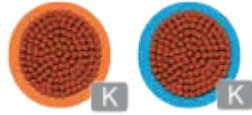
## PVC insulated Cold Resistant Flexible installation Cables

### H05V3-K / H07V3-K



- 1) İnce Telli Bükülgen Bakır  
Fine Wired Flexible Copper
- 2) -40°C Soğuğa Dayanıklı PVC  
-40°C Cold Resistant PVC

K : İnce Telli Bükülgen Bakır  
K : Fine Wired Flexible Copper



#### STANDARD

TS EN 50525-2-31

#### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: - 40 °C ~ 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 05-300/500V 07-450/750V

#### KULLANIM ALANLARI

Düşük sıcaklıklarda. Sabit tesislerde. dağıtım panoları ve kapalı yerlerde. fabrika. atölye ve her türlü iş yerinde sıva altı veya sıva üstünde kullanılır.

#### TECHNICAL DATA

Permissible operating temperature	: - 40 °C ~ 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD
Rated Voltage	: 05-300/500V 07-450/750V

#### USAGE AREAS

It is used as surface mounted or flush mounted in stationary plants. dry places. distribution boards and closed spaces. factories. workshops and any kind of workplaces at low temperatures.

70°C

Max. işletme sıcaklığı  
Max. Operating  
temperature

160°C

Kısa devre sıcaklığı  
Short circuit  
temperature



Test Gerilimi (AC)  
2 kV- 2.5 kV  
Test Voltage (AC)  
2 kV - 2.5 kV



Alev dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Bükülgen  
Flexible



-40°C Soğuğa dayanıklı  
-40°C Cold resistant



Serim sıcaklığı  
minimum 5°C  
Installation  
temperature  
min 5°C



Dağıtım panoları  
Distribution panels



Boru içinde  
In conduit



Açıkta  
Outdoor



İç tesisat  
Internal wiring

## TEKNİK ÖZELLİKLER TECHNICAL DATA

# H05V3-K / H07V3-K

### H05V3-K (300/500V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
0.5	2.1	11	39	8.36	100	C 100
0.75	2.3	16	26	10.98	100	C 100
1	2.5	20	19.5	13.7	100	C 100

### H07V3-K (450/750V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
1.5	2.95	24	13.3	20	100	C 100
2.5	3.55	32	7.98	30	100	C 100
4	4.1	42	4.95	44	100	C 100
6	4.6	54	3.3	62	100	C 100
10	6.1	73	1.91	107	100	C 100
16	7.1	98	1.21	160	100	C 100
25	8.7	129	0.78	246	1000	R 700
35	10.4	158	0.554	344	1000	R 700
50	12.15	198	0.386	485	1000	R 800
70	14.5	245	0.272	668	1000	R 1000
95	16.65	292	0.206	881	500	R 800
120	18.55	344	0.161	1126	500	R 900
150	20.6	391	0.129	1399	500	R 1000
185	22.8	448	0.106	1708	500	R 1000
240	26.1	528	0.0801	2283	250	R 900
300	28.6	620	0.0641	2811	250	R 1000

# PVC İzoleli Çok Damarlı Tesisat Kabloları

## PVC insulated Multi Core installation Cables

### NYM / NVV



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) PVC İzole  
PVC Insulation
- 3) PE Dolgu  
PE Filler
- 4) PVC Kılıf  
PVC Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
HD 21.4.S2  
VDE 0250-204

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 05-300/500V 07-450/750V

### KULLANIM ALANLARI

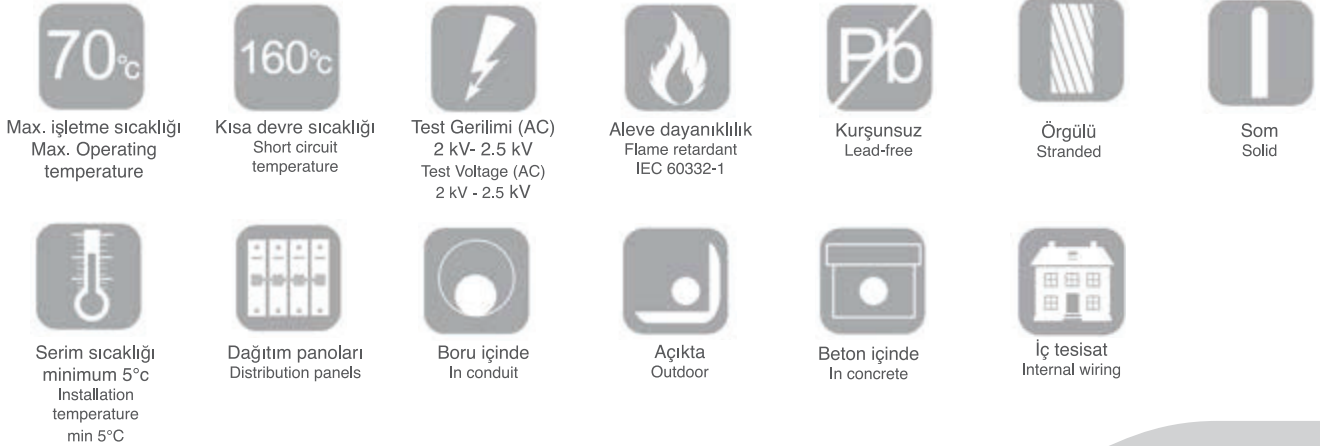
Sabit tesislerde, kuru ve rutubetli, yerlerde kapalı alanlarda, fabrika, atölye ve her türlü iş yerinde sıva altı veya sıva üstünde kullanılır.

### TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD
Rated Voltage	: 05-300/500V 07-450/750V

### USAGE AREAS

It is used as surface mounted or flush mounted in stationary plants, humid and closed spaces, factories, workshops and any kind of workplaces.



## TEKNİK ÖZELLİKLER TECHNICAL DATA

## NYM / NVV

### NYM / NVV (300/500V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
2x1.5	8.8	22	12.10	115	100	C 100
2x2.5	10.0	30	7.41	156	100	C 100
2x4	10.8	40	4.61	198	100	C 100
2x6	11.8	51	3.08	253	100	C 100
2x10	15.85	70	1.83	444	1000	R 1000
2x16	17.75	94	1.15	603	1000	R 1100
3x1.5	9.25	22	12.10	135	100	C 100
3x2.5	10.55	30	7.41	186	100	C 100
3x4	11.45	40	4.61	241	100	C 100
3x6	12.90	51	3.08	324	100	C 100
3x10	16.80	70	1.83	545	1000	R 1000
3x16	19.25	94	1.15	773	1000	R 1100
4x1.5	10.05	18.5	12.10	160	100	C 100
4x2.5	11.45	25	7.41	223	100	C 100
4x4	12.75	34	4.61	301	100	C 100
4x6	14.30	43	3.08	407	100	C 100
4x10	18.35	60	1.83	668	1000	R 1100
4x16	21.05	80	1.15	954	1000	R 1200
5x1.5	10.80	17.5	12.10	191	100	C 100
5x2.5	12.45	24	7.41	268	100	C 100
5x4	14.30	32	4.61	380	100	C 100
5x6	15.75	41	3.08	501	100	C 100
5x10	19.98	57	1.83	813	1000	R 1200
5x16	23.35	76	1.15	1186	1000	R 1300

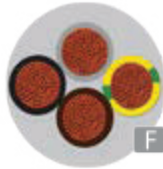
## PVC İzoleli Çok Damarlı Bükülgen Tesisat Kabloları PVC insulated Multi Core Flexible Installation Cables

### H03VV-F / H05VV-F



- 1) İnce ve Çok Telli Bükülgen Bakır  
Fine and Multiple Wired Flexible Copper
- 2) PVC İzole  
PVC Insulation
- 3) PVC Kılıf  
PVC Sheath

F : İnce Telli Bükülgen Bakır  
F : Fine Wired Flexible Copper



#### STANDARD

TS EN 50525 2-11

#### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD
Anme gerilimi	: 03-300/300V 05-300/500V

#### KULLANIM ALANLARI

Mekanik zorlamaların az olduğu kapalı ve kuru yerlerde hareketli cihaz bağlantılarında kullanılır.

#### TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD
Rated Voltage	: 03-300/300V 05-300/500V

#### USAGE AREAS

At less mechanical stresses, closed and dry places, and connections of mobile devices.

70°C

Max. işletme sıcaklığı  
Max. Operating temperature

160°C

Kısa devre sıcaklığı  
Short circuit temperature



Test Gerilimi (AC)  
2 kV- 2.5 kV  
Test Voltage (AC)  
2 kV - 2.5 kV



Alev dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Bükülgen  
Flexible



Serim sıcaklığı  
minimum 5°C  
Installation temperature  
min 5°C



Dağıtım panoları  
Distribution panels



Boru içinde  
In conduit



Açıkta  
Outdoor



İç tesisat  
Internal wiring

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## H03VV-F / H05VV-F

### H03VV-F (300/300V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
2x0.50	5.40	8	39	40.68	100	C 100
3x0.50	5.75	8	39	48.25	100	C 100
4x0.50	6.30	8	39	59.15	100	C 100

### H05VV-F (300/500V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
2x0.75	6.20	12	26.00	54.80	100	C 100
2x1	6.60	16	19.50	64.00	100	C 100
2x1.5	7.50	20	13.30	84.80	100	C 100
2x2.5	9.10	25	7.98	129.00	100	C 100
2x4	10.30	34	4.95	175.00	100	C 100
3G0.75	6.60	8	26.00	65.05	100	C 100
3G1	6.90	12	19.50	75.10	100	C 100
3G1.5	8.20	16	13.30	106.50	100	C 100
3G2.5	9.90	25	7.98	160.95	100	C 100
3G4	10.95	34	4.95	215.20	100	C 100
4G0.75	7.20	12	26.00	79.50	100	C 100
4G1	7.85	16	19.50	97.90	100	C 100
4G1.5	9.15	20	13.30	135.40	100	C 100
4G2.5	10.80	25	7.98	198.82	100	C 100
4G4	12.20	34	4.95	274.00	100	C 100
5G0.75	8.00	12	26.00	99.32	100	C 100
5G1	8.55	16	19.50	117.77	100	C 100
5G1.5	10.00	20	13.30	164.75	100	C 100
5G2.5	12.00	25	7.98	246.27	100	C 100
5G4	13.75	34	4.95	345.53	100	C 100

# PVC İzoleli Isıya Dayanıklı Çok Damarlı Bükülgen Tesiilat Kabloları

## PVC Insulated Heat Resistant Multi Core Flexible Installation Cables

### H03V2V2-F / H05V2V2-F



1) İnce ve Çok Telli Bükülgen Bakır  
Fine and Multiple Wired Flexible  
Copper

2) Yüksek Sıcaklığa Dayanıklı PVC  
High Temperature Resistant PVC

3) PVC Kılıf  
PVC Sheath

F : İnce Telli Bükülgen Bakır  
F : Fine Wired Flexible Copper



#### STANDARD

TS EN 50525 2-11

#### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 03-300/300V 05-300/500V

#### KULLANIM ALANLARI

Yüksek sıcaklıkta, mekanik zorlamaların az olduğu kapalı ve kuru yerlerde hareketli cihaz bağlantılarında kullanılır.

#### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD
Rated Voltage	: 03-300/300V 05-300/500V

#### USAGE AREAS

At high temperatures, less mechanical stresses, dry locations and connections of mobile devices.

90°C  
Max. işletme sıcaklığı  
Max. Operating  
temperature

160°C  
Kısa devre sıcaklığı  
Short circuit  
temperature

Test Gerilimi (AC)  
2 kV- 2.5 kV  
Test Voltage (AC)  
2 kV - 2.5 kV

Aleve dayanıklılık  
Flame retardant  
IEC 60332-1

Kurşunsuz  
Lead-free

Bükülgen  
Flexible

Yüksek ısıya dayanıklı  
High temperature resistant

Serim sıcaklığı  
minimum 5°C  
Installation  
temperature  
min 5°C

Dağıtım panoları  
Distribution panels

Boru içinde  
In conduit

Açıkta  
Outdoor

İç tesiat  
Internal wiring

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## H03V2V2-F / H05V2V2-F

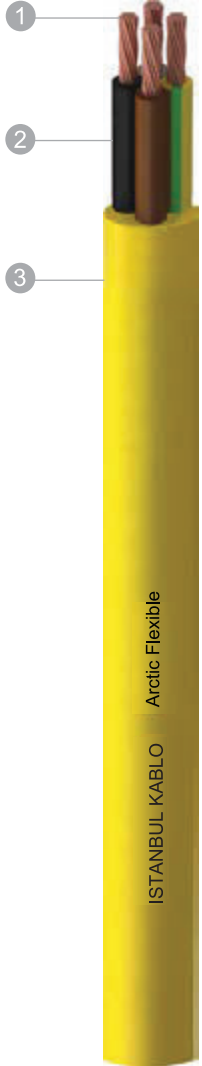
### H03V2V2-F (300/300V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
2x0.50	5.40	8	39	40.68	100	C 100
3x0.50	5.75	8	39	48.25	100	C 100
4x0.50	6.30	8	39	59.15	100	C 100

### H05V2V2-F (300/500V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
2x0.75	6.20	12	26.00	54.80	100	C 100
2x1	6.60	16	19.50	64.00	100	C 100
2x1.5	7.50	20	13.30	84.80	100	C 100
2x2.5	9.10	25	7.98	129.00	100	C 100
2x4	10.30	34	4.95	175.00	100	C 100
3G0.75	6.60	8	26.00	65.05	100	C 100
3G1	6.90	12	19.50	75.10	100	C 100
3G1.5	8.20	16	13.30	106.50	100	C 100
3G2.5	9.90	25	7.98	160.95	100	C 100
3G4	10.95	34	4.95	215.20	100	C 100
4G0.75	7.20	12	26.00	79.50	100	C 100
4G1	7.85	16	19.50	97.90	100	C 100
4G1.5	9.15	20	13.30	135.40	100	C 100
4G2.5	10.80	25	7.98	198.82	100	C 100
4G4	12.20	34	4.95	274.00	100	C 100
5G0.75	8.00	12	26.00	99.32	100	C 100
5G1	8.55	16	19.50	117.77	100	C 100
5G1.5	10.00	20	13.30	164.75	100	C 100
5G2.5	12.00	25	7.98	246.27	100	C 100
5G4	13.75	34	4.95	345.53	100	C 100

# Arctic Flexible Cable



- 1) İnce ve Çok Telli Bükülgen Bakır  
Fine and Multiple Wired Flexible Copper
- 2) -40°C Soğuğa dayanıklı PVC İzoleli  
-40°C Cold resistant PVC Insulation
- 3) -40°C Soğuğa dayanıklı PVC Kılıf  
-40°C Cold resistant PVC Sheath

F : İnce Telli Bükülgen Bakır  
F : Fine Wired Flexible Copper



**STANDARD**  
TS EN 50525 2-11

## TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: - 40 °C ~ 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 300/300V 300/500V

## KULLANIM ALANLARI

Düşük sıcaklıklarda . mekanik zorlamaların az olduğu kapalı ve kuru yerlerde hareketli cihaz bağlantılarında kullanılır.

## TECHNICAL DATA

Permissible operating temperature	: - 40 °C ~ 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD
Rated Voltage	: 300/300V 300/500V

## USAGE AREAS

It is used at low temperatures. less mechanical stresses. dry locations and connections of mobile devices.



## TEKNİK ÖZELLİKLER TECHNICAL DATA

# Arctic Flexible Cable

### 300 / 300V

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
2x0.50	5.40	8	39	40.68	100	C 100
3x0.50	5.75	8	39	48.25	100	C 100
4x0.50	6.30	8	39	59.15	100	C 100

### 300 / 500V

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
2X0.75	6.20	12	26.00	54.80	100	C 100
2X1	6.60	16	19.50	64.00	100	C 100
2X1.5	7.50	20	13.30	84.80	100	C 100
2X2.5	9.10	25	7.98	129.00	100	C 100
2X4	10.30	34	4.95	175.00	100	C 100
3G0.75	6.60	8	26.00	65.05	100	C 100
3G1	6.90	12	19.50	75.10	100	C 100
3G1.5	8.20	16	13.30	106.50	100	C 100
3G2.5	9.90	25	7.98	160.95	100	C 100
3G4	10.95	34	4.95	215.20	100	C 100
4G0.75	7.20	12	26.00	79.50	100	C 100
4G1	7.85	16	19.50	97.90	100	C 100
4G1.5	9.15	20	13.30	135.40	100	C 100
4G2.5	10.80	25	7.98	198.82	100	C 100
4G4	12.20	34	4.95	274.00	100	C 100
5G0.75	8.00	12	26.00	99.32	100	C 100
5G1	8.55	16	19.50	117.77	100	C 100
5G1.5	10.00	20	13.30	164.75	100	C 100
5G2.5	12.00	25	7.98	246.27	100	C 100
5G4	13.75	34	4.95	345.53	100	C 100

## YASSI NYM FLAT NYM



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) PVC İzole  
PVC Insulation
- 3) PVC Kılıf  
PVC Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Tellli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
BS 6004:2012

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 300/500V

### KULLANIM ALANLARI

Sabit tesislerde. rutubetli ve kapalı yerlerde. fabrika. atölye ve her türlü iş yerinde siva altı veya siva üstünde kullanılır.

### TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD
Rated Voltage	: 300/500V

### USAGE AREAS

It is used as surface mounted or flush mounted in stationary plants. humid and closed spaces. factories. workshops and any kind of workplaces.

**70°C**  
Max. işletme sıcaklığı  
Max. Operating  
temperature

**160°C**  
Kısa devre sıcaklığı  
Short circuit  
temperature

**Test Gerilimi (AC)**  
2 kV-2.5 kV  
Test Voltage (AC)  
2 kV - 2.5 kV

**Aleve dayanıklılık**  
Flame retardant  
IEC 60332-1

**Pb**  
Kurşunsuz  
Lead-free

**Örgülü**  
Stranded

**Som**  
Solid

**Serim sıcaklığı**  
minimum 5°C  
Installation  
temperature  
min 5°C

**Dağıtım panoları**  
Distribution panels

**Açıkta**  
Outdoor

**İç tesisat**  
Internal wiring

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## YASSI NYM FLAT NYM

### YASSI NYM - FLAT NYM (300/500V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kagal/Coil R: Makara/Reel
2X1	4.10X6.40	13	18.10	60.0	100	C 100
2X1.5	4.55X7.30	16	12.10	84.0	100	C 100
2X2.5	5.35X8.70	23	7.41	118.0	100	C 100
2X4	5.8X9.60	30	4.61	155.0	100	C 100
2X6	6.5X10.80	39	3.08	215.0	100	C 100
2X10	8.40x14.40	53	1.83	328.0	1000	C 100
2X16	9.30x16.00	70	1.15	477.0	1000	C 100
3G1	4.10X8.70	11	18.10	83.0	100	C 100
3G1.5	4.55X10.05	15	12.10	118.0	100	C 100
3G1.5	5.35X12.05	20	7.41	170.0	100	C 100
3G4	6.00X13.60	27	4.61	235.0	100	C 100
3G6	6.50X15.10	34	3.08	310.0	100	C 100
3G10	8.40x20.40	46	1.83	475.0	1000	R 900
3G16	9.65x23.75	62	1.15	693.0	1000	R 1000

## YASSI TTR / FLAT TTR IEC 227 F



- 1) İnce ve Çok Telli Bükülgen Bakır  
Fine and Multiple Wired Flexible Copper
- 2) PVC İzole  
PVC Insulation
- 3) PVC Kılıf  
PVC Sheath

K : İnce Telli Bükülgen Bakır  
K : Fine Wired Flexible Copper



**STANDARD**  
TS IEC 60227-6

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 300/500V

### KULLANIM ALANLARI

Sabit tesislerde, rutubetli ve kapalı yerlerde, fabrika, atölye ve her türlü iş yerinde sıva altı veya sıva üstünde kullanılır.

### TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD
Rated Voltage	: 300/500V

### USAGE AREAS

It is used as surface mounted or flush mounted in stationary plants, humid and closed spaces, factories, workshops and any kind of workplaces.



## TEKNİK ÖZELLİKLER TECHNICAL DATA

## YASSI TTR / FLAT TTR IEC 227 F

### IEC 227 F (300/500V)

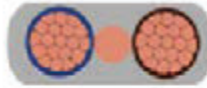
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
2X0.50	4.00X7.00	6	39.00	29	100	C 100
2X0.75	4.30X7.60	13	26.00	40	100	C 100
2X1	4.50X8.00	16	19.50	60	100	C 100
2X1.5	5.00X9.00	20	13.30	86	100	C 100
2X2.5	5.60X10.80	26	7.98	115	100	C 100
2X4	6.10X11.80	33	4.95	150	100	C 100
2X6	7.10X13.00	48	3.30	200	100	C 100
3G0.75	4.30X9.90	13	26.00	60	100	C 100
3G1	4.50X10.50	16	19.50	75	100	C 100
3G1.5	5.00X12.00	20	13.30	105	100	C 100
3G2.5	5.60X14.40	26	7.98	150	100	C 100
3G4	6.10X15.90	33	4.95	220	100	C 100
3G6	6.80X17.40	48	3.30	281	100	C 100
3G10	8.90X21.90	66	1.91	485	1000	R 900
3G16	10.10X25.30	89	1.21	660	1000	R 1000
4G0.75	4.30X12.20	13	26.00	81	100	C 100
4G1	4.50X13.00	16	19.50	100	100	C 100
4G1.5	5.00X15.00	20	13.30	150	100	C 100
4G2.5	5.90X18.90	26	7.98	215	100	C 100
4G4	6.40X21.00	33	4.95	295	100	C 100
4G6	6.80X23.00	48	3.30	395	100	C 100
4G10	8.90X28.50	66	1.91	625	1000	R 1000
4G16	10.2X33.50	89	1.21	960	1000	R 1100

## TWIN EARTH 6242Y - 6243Y



- 1) Som veya Örgülü Bakır Solid or Stranded Copper
- 2) PVC İzole PVC Insulation
- 3) PVC Kılıf PVC Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Tellili Yuvarlak İletken  
Rm : Multi Wire Round Conductor



STANDARD  
BS 6004

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 300/500V

### KULLANIM ALANLARI

PVC kaplamalı yüzey kabloları ve topraklama kabloları, genellikle sabit tesisatlar da kullanılır. Bu kablolar doğrudan yüzeylere sabitlenmek için uygundur. Kablo kanalından geçirilebilir veya mekanik darbe hasar tehlikesi bulunmuyorsa açık havada kullanılabilirler.

### TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD
Rated Voltage	: 300/500V

### USAGE AREAS

6242Y, 6243Y cable- PVC sheathed surface wiring cables, or Twin and Earth cables, are generally used in domestic wiring of fixed installations. This British standard BS6004 cable is suitable to be fixed directly onto surfaces, ran through cable tray, or, free air if there are no hazards from mechanical impact damage.

70°C  
Max. işletme sıcaklığı  
Max. Operating temperature

160°C  
Kısa devre sıcaklığı  
Short circuit temperature

Test Gerilimi (AC)  
2 kV-2.5 kV  
Test Voltage (AC)  
2 kV - 2.5 kV

Alev dayanıklılık  
Flame retardant  
IEC 60332-1

Pb  
Kurşunsuz  
Lead-free

Örgülü  
Stranded

Som  
Solid

Serim sıcaklığı  
minimum 5°C  
Installation temperature  
min 5°C

Dağıtım panoları  
Distribution panels

Açıkta  
Outdoor

İç tesisat  
Internal wiring

## TEKNİK ÖZELLİKLER TECHNICAL DATA

# TWIN EARTH 6242Y - 6243Y

### 6242Y (300/500V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
2 x 1.0	4.10 x 8.65	13	18.10	68	100	C 100
2 x 1.5	4.55 x 8.80	16	12.10	84	100	C 100
2 x 2.5	5.40 x 10.50	23	7.41	120	100	C 100
2 x 4	6.10 x 12.00	30	4.61	175	100	C 100
2 x 6	6.90 x 13.80	39	3.08	240	100	C 100
2 x 10	8.40 x 18.50	53	1.83	390	1000	R 900
2 x 16	9.70 x 20.60	70	1.15	560	1000	R 1000

### 6243Y (300/500V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
3 x 1.0	4.60 x 10.20	11	18.10	92	100	C 100
3 x 1.5	4.75 x 11.45	15	12.10	115	100	C 100
3 x 2.5	5.45 x 13.40	20	7.41	170	100	C 100
3 x 4	6.40 x 15.90	27	4.61	235	100	C 100
3 x 6	6.90 x 17.95	34	3.08	385	100	C 100
3 x 10	8.40 x 22.70	46	1.83	555	1000	R 900
3 x 16	9.55 x 26.25	62	1.15	735	1000	R 1000

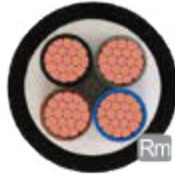
## 0.6 / 1 kV PVC İzoleli Güç Kabloları 0.6 / 1 kV PVC insulated Power Cables

# NY / YV



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) PVC İzole  
PVC Insulation
- 3) PE Dolgu  
PE Filler
- 4) PVC Kılıf  
PVC Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
TS IEC 60502-1

## TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 0.6/1kV

## KULLANIM ALANLARI

Mekanik zorlanmanın az olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır.

## TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD
Rated Voltage	: 0.6/1kV

## USAGE AREAS

It is used in places where the mechanical stresses are low, used as surface mounted, in ducts, underground, as mains and lighting cable.

**70°C**  
Max. işletme sıcaklığı  
Max. Operating temperature

**160°C**  
Kısa devre sıcaklığı  
Short circuit temperature

**Test Gerilimi**  
(AC) 4 kV  
Test Voltage  
(AC) 4 kV

**Aleve dayanıklılık**  
Flame retardant  
IEC 60332-1

**Kurşunsuz**  
Lead-free

**Örgülü**  
Stranded

**Som**  
Solid

**Serim sıcaklığı**  
minimum 5°C  
Installation temperature  
min 5°C

**Dağıtım panoları**  
Distribution panels

**Boru içinde**  
In conduit

**Açıkta**  
Outdoor

**Beton içinde**  
In concrete

**Toprak altında**  
Direct buried

**Endüstriyel tesisat**  
Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## NYY / YVV

### NYY / YVV (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel

1 X 4 re	6.7	37	50	4.61	100	100	C 100
1 X 6 re	7.3	47	62	3.08	125	100	C 100
1 X 10 rm	8.1	64	83	1.83	145	1000	R 600
1 X 16 rm	9.1	84	107	1.15	206	1000	R 700
1 X 25 rm	10.8	114	138	0.727	307	1000	R 800
1 X 35 rm	12.00	139	164	0.524	405	1000	R 800
1 X 50 rm	13.40	169	195	0.387	527	1000	R 900
1 X 70 rm	15.4	213	238	0.268	744	1000	R 1000
1 X 95 rm	17.8	264	286	0.198	1017	1000	R 1000
1 X 120 rm	19.2	307	325	0.153	1255	1000	R 1100
1 X 150 rm	21.2	352	365	0.124	1539	1000	R 1200
1 X 185 rm	23.9	406	413	0.0991	1941	1000	R 1300
1 X 240 rm	26.9	483	479	0.0754	2519	1000	R 1500
1 X 300 rm	29.7	557	541	0.0601	3069	1000	R 1500
2 X 1.5 re	9.9	19.5	27	12.1	141	100	C 100
2 X 2.5 re	10.7	25	36	7.41	175	100	C 100
2 X 4 re	12.4	34	47	4.61	245	100	C 100
2 X 6 re	13.4	43	59	3.08	304	100	C 100
2 X 10 rm	16	59	79	1.83	453	1000	R 1000
2 X 16 rm	18	79	102	1.15	618	1000	R 1100
2 X 25 rm	20.9	106	133	0.727	882	1000	R 1200
2 X 35 rm	23.00	129	159	0.524	1250	1000	R 1300
3 X 1.5 re	10.3	19.5	27	12.1	160	100	C 100
3 X 2.5 re	11.2	25	36	7.41	204	100	C 100
3 X 4 re	13	34	47	4.61	288	100	C 100
3 X 6 re	14.1	43	59	3.08	366	100	C 100
3 x 10 rm	16.70	59	79	1.83	541	1000	R 1000
3 x 16 rm	18.80	79	102	1.15	751	1000	R 1200
3 x 25 rm	22.20	106	133	0.727	1103	1000	R 1200
3 x 35 rm	25.6	129	159	0.524	1499	1000	R 1400
3 x 50 rm	29	157	188	0.387	1964	1000	R 1500
3 x 70 rm	33.20	199	232	0.268	2725	1000	R 1600
3 x 95 rm	38.80	246	280	0.198	3753	1000	R 1800
3 x 120 rm	41.90	285	318	0.153	4585	1000	R 1800
3 x 150 rm	46.40	326	359	0.124	5631	500	R 1600
3 x 185 rm	52	374	406	0.0991	7071	500	R 1700
3 x 240 rm	58.9	445	473	0.0754	9189	500	R 1800
3 x 300 rm	65.8	511	535	0.0601	11326	250	R 1600

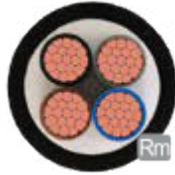
## 0.6 / 1 kV PVC İzoleli Güç Kabloları 0.6 / 1 kV PVC insulated Power Cables

# NY / YV



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) PVC İzole  
PVC Insulation
- 3) PE Dolgu  
PE Filler
- 4) PVC Kılıf  
PVC Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Tellİ Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
TS IEC 60502-1

## TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 0.6/1kV

## KULLANIM ALANLARI

Mekanik zorlanmanın az olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır.

## TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD
Rated Voltage	: 0.6/1kV

## USAGE AREAS

It is used in places where the mechanical stresses are low. used as surface mounted, in ducts, underground, as mains and lighting cable.

70°C

Max. işletme sıcaklığı  
Max. Operating  
temperature

160°C

Kısa devre sıcaklığı  
Short circuit  
temperature



Test Gerilimi  
(AC) 4 kV  
Test Voltage  
(AC) 4 kV



Aleve dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Örgülü  
Stranded



Som  
Solid



Serim sıcaklığı  
minimum 5°C  
Installation  
temperature  
min 5°C



Dağıtım panoları  
Distribution panels



Boru içinde  
In conduit



Açıkta  
Outdoor



Beton içinde  
In concrete



Toprak altında  
Direct buried



Endüstriyel tesisat  
Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

# NYV / YVV

### NYV / YVV (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
4X1.5 re	11.1	19.5	27	12.1	189	100	C 100
4X2.5 re	12.1	25	36	7.41	243	100	C 100
4X4 re	14.1	34	47	4.61	347	100	C 100
4X6 re	15.4	43	59	3.08	447	100	C 100
4X10 rm	19.6	59	79	1.83	730	1000	R 1200
4X16 rm	21.2	79	102	1.15	968	1000	R 1300
4X25 rm	25.4	106	133	0.727	1445	1000	R 1500
4X35 rm	28.2	129	159	0.524	1882	1000	R 1600
4X50 rm	32.5	157	188	0.387	2517	1000	R 1700
4X70 rm	36.9	199	232	0.268	3465	500	R 1500
4X95 rm	42.6	246	280	0.198	4716	500	R 1600
4X120 rm	46.5	285	318	0.153	5838	500	R 1800
4X150 rm	51.4	326	359	0.124	7155	250	R 1500
4X185 rm	57.8	374	406	0.0991	9009	250	R 1600
4X240 rm	65.5	445	473	0.0754	11718	250	R 1700
5X1.5 re	12.9	19.5	27	12.1	249	1000	R 800
5X2.5 re	14	25	36	7.41	317	1000	R 900
5X4 re	16.3	34	47	4.61	449	1000	R 1000
5X6 re	17.7	43	59	3.08	572	1000	R 1100
5X10 rm	20.9	59	79	1.83	846	1000	R 1200
5X16 rm	23.5	79	102	1.15	1178	1000	R 1300
5X25 rm	28.4	106	133	0.727	1773	1000	R 1500
5X35 rm	31.8	129	159	0.524	2333	1000	R 1600
5X50 rm	35.8	157	188	0.387	3040	1000	R 1700
5X70 rm	41.3	199	232	0.268	4260	500	R 1600
5X95 rm	47.7	246	280	0.198	5798	500	R 1700
5X120 rm	51.4	285	318	0.153	7093	250	R 1500
5X150 rm	56.9	326	359	0.124	8703	250	R 1600
5X185 rm	64.2	374	406	0.0991	10989	250	R 1800
5X240 rm	72.4	445	473	0.0754	14230	250	R 1800
7x1.5 rm	13.8	19.5	27	12.1	300	1000	R 800
7x2.5 rm	15	25	36	7.41	390	1000	R 900
10x1.5 rm	16.8	19.5	27	12.1	450	1000	R 1000
10x2.5 rm	18.4	25	36	7.41	590	1000	R 1000
12x1.5 rm	17.2	19.5	27	12.1	490	1000	R 1000
12x2.5 rm	18.9	25	36	7.41	640	1000	R 1100
14x1.5 rm	18	19.5	27	12.1	540	1000	R 1000
14x2.5 rm	19.7	25	36	7.41	710	1000	R 1100
15x1.5 rm	18.8	19.5	27	12.1	590	1000	R 1100
15x2.5 rm	20.7	25	36	7.41	780	1000	R 1100
16x1.5 rm	18.8	19.5	27	12.1	600	1000	R 1100
16x2.5 rm	20.7	25	36	7.41	800	1000	R 1100
19x1.5 rm	19.7	19.5	27	12.1	670	1000	R 1100
19x2.5 rm	21.7	25	36	7.41	900	1000	R 1200
24x1.5 rm	23.2	19.5	27	12.1	900	1000	R 1200
24x2.5 rm	24.4	25	36	7.41	1160	1000	R 1300
3X16+10 rm	21	79	102	1.15/1.83	910	1000	R 1200
3X25+16 rm	24.5	106	133	0.727/1.15	1323	1000	R 1300
3X35+16 rm	26.5	129	159	0.524/1.15	1640	1000	R 1400
3X50+25 rm	30.7	157	188	0.387/0.727	2234	1000	R 1500
3X70+35 rm	34.7	199	232	0.268/0.524	3056	1000	R 1600
3X95+50 rm	40.1	246	280	0.193/0.387	4163	500	R 1500
3X120+70 rm	43.8	285	318	0.153/0.268	5217	500	R 1500
3X150+70 rm	47.6	326	359	0.124/0.268	6201	500	R 1600
3X185+95 rm	54.2	374	406	0.0991/0.193	7972	250	R 1500
3X240+120 rm	60.4	445	473	0.754/0.153	10198	250	R 1500

## 0.6 / 1 kV PVC İzoleli Yuvarlak Çelik Tel Zırlı Güç Kabloları 0.6 / 1 kV PVC insulated Round Steel Wire Armoured Power Cables

### YVZ2V / NYRY



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) PVC İzole  
PVC Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) Yuvarlak Çelik Zırlı teli  
Steel Wire Armour (SWA)
- 5) PVC Kılıf  
PVC Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



#### STANDARD

TS IEC 60502-1

#### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

#### KULLANIM ALANLARI

Mekanik zorlanmanın fazla olduğu yerlerde, sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır. Zırlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

#### TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

#### USAGE AREAS

It is used in places where the mechanical stresses are high, used as surface mounted, in ducts, underground, as mains and lighting cable. Due to having galvanized round steel wire armour, they conform to heavy installation and mounting conditions.

70°C

Max. işletme sıcaklığı  
Max. Operating temperature

160°C

Kısa devre sıcaklığı  
Short circuit temperature



Test Gerilimi  
(AC) 4 kV  
Test Voltage  
(AC) 4 kV



Aleve dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Örgülü  
Stranded



Som  
Solid



Serim sıcaklığı  
minimum 5°C  
Installation temperature  
min 5°C



Dağıtım panoları  
Distribution panels



Boru içinde  
In conduit



Açıkta  
Outdoor



Beton içinde  
In concrete



Toprak altında  
Direct buried



Endüstriyel tesisat  
Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## YVZ2V / NYRY

### YVZ2V / NYRY (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
1X10 rm AWA	13.68	64	83	1.83	294	1000	R 1000
1X16 rm AWA	14.64	84	107	1.15	367	1000	R 1000
1X25 rm AWA	17.37	114	138	0.727	535	1000	R 1100
1X35 rm AWA	18.53	139	164	0.524	653	1000	R 1100
1X50 rm AWA	19.94	169	195	0.387	801	1000	R 1200
1X70 rm AWA	22.57	213	238	0.268	1088	1000	R 1300
1X95 rm AWA	24.79	264	286	0.198	1393	1000	R 1400
1X120 rm AWA	26.10	307	325	0.153	1652	1000	R 1400
1X150 rm AWA	28.13	352	365	0.124	1974	1000	R 1500
1X185 rm AWA	30.89	406	413	0.0991	2426	1000	R 1600
1X240 rm AWA	34.94	483	479	0.0754	3152	1000	R 1600
1X300 rm AWA	37.32	557	541	0.0601	3716	1000	R 1800
2X1.5 re	14.29	20	27	12.1	369	1000	R 1000
2X2.5 re	15.09	25	36	7.41	424	1000	R 1000
2X4 re	17.72	34	47	4.61	642	1000	R 1100
2X6 re	18.73	43	59	3.08	736	1000	R 1100
2X10 rm	21.15	59	79	1.83	951	1000	R 1200
2X16 rm	23.80	79	102	1.15	1287	1000	R 1300
2X25 rm	27.40	106	133	0.727	1718	1000	R 1500
2X35 rm	28.90	129	159	0.524	1950	1000	R 1500
3X1.5 re	14.76	20	27	12.1	401	1000	R 1000
3X2.5 re	16.54	25	36	7.41	565	1000	R 1000
3X4 re	18.40	34	47	4.61	713	1000	R 1100
3X6 re	19.49	43	59	3.08	826	1000	R 1100
3X10 rm	22.81	59	79	1.83	1192	1000	R 1300
3X16 rm	24.90	79	102	1.15	1479	1000	R 1400
3X25 rm	28.86	106	133	0.727	2018	1000	R 1500
3X35 rm	31.66	129	159	0.524	2477	1000	R 1600
3X50 rm	35.80	157	188	0.387	3277	1000	R 1700
3X70 rm	43.91	199	232	0.268	4664	1000	R 1400
3X95 rm	50.75	246	280	0.198	6416	500	R 1500
3X120 rm	54.15	285	318	0.153	7474	500	R 1600
3X150 rm	59.11	326	359	0.124	8866	500	R 1700
3X185 rm	65.78	374	406	0.0991	10797	500	R 1500
3X240 rm	74.64	445	473	0.0754	14270	500	R 1600

# 0.6 / 1 kV PVC İzoleli Yuvarlak Çelik Tel Zırlı Güç Kabloları

## 0.6 / 1 kV PVC insulated Round Steel Wire Armoured Power Cables

### YVZ2V / NYRY



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) PVC İzole  
PVC Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) Yuvarlak Çelik Zırlı teli  
Steel Wire Armour (SWA)
- 5) PVC Kılıf  
PVC Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
TS IEC 60502-1

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Mekanik zorlanmanın fazla olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır. Zırlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

### TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

It is used in places where the mechanical stresses are high, used as surface mounted, in ducts, underground, as mains and lighting cable. Due to having galvanized round steel wire armour, they conform to heavy installation and mounting conditions.

 Max. işletme sıcaklığı Max. Operating temperature	 Kısa devre sıcaklığı Short circuit temperature	 Test Gerilimi (AC) 4 kV Test Voltage (AC) 4 kV	 Alev dayanıklılık Flame retardant IEC 60332-1	 Kurşunsuz Lead-free	 Örgülü Stranded	 Som Solid
 Serim sıcaklığı minimum 5°C Installation temperature min 5°C	 Dağıtım panoları Distribution panels	 Boru içinde In conduit	 Açıkta Outdoor	 Beton içinde In concrete	 Toprak altında Direct buried	 Endüstriyel tesisat Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## YVZ2V / NYRY

### YVZ2V / NYRY (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
4X1.5 re	16.45	19.5	27	12.1	548	1000	R 1000
4X2.5 re	17.42	25	36	7.41	627	1000	R 1100
4X4 re	19.5	34	47	4.61	806	1000	R 1100
4X6 re	20.72	43	59	3.08	938	1000	R 1200
4X10 rm	24.36	59	79	1.83	1367	1000	R 1400
4X16 rm	26.7	79	102	1.15	1727	1000	R 1400
4X25 rm	31.28	106	133	0.727	2373	1000	R 1500
4X35 rm	35.28	129	159	0.524	3162	1000	R 1700
4X50 rm	38.94	157	188	0.387	3911	1000	R 1800
4X70 rm	43.91	199	232	0.268	5104	500	R 1500
4X95 rm	50.75	246	280	0.198	7026	500	R 1700
4X120 rm	54.15	285	318	0.153	8256	500	R 1700
4X150 rm	59.11	326	359	0.124	9826	250	R 1500
4X185 rm	65.78	374	406	0.0991	12002	250	R 1600
4X240 rm	74.64	445	473	0.0754	15855	250	R 1800
5x1.5 re	17.4	19.5	27	12.1	580	1000	R 1000
5x2.5 re	18.4	25	36	7.41	670	1000	R 1000
5x4 re	20.7	34	47	4.61	850	1000	R 1100
5x6 re	22.75	43	59	3.08	1110	1000	R 1200
5x10 rm	26	59	79	1.83	1470	1000	R 1500
5x16 rm	28.8	79	102	1.15	1880	1000	R 1500
5x25 rm	34.75	106	133	0.727	2810	1000	R 1700
5x35 rm	38.25	129	159	0.524	3460	1000	R 1800
5x50 rm	42.35	157	188	0.387	4260	1000	R 1900
5x70 rm	48.95	199	232	0.268	6010	500	R 1700
5x95 rm	55.4	246	280	0.198	7690	500	R 1800
5x120 rm	59.2	285	318	0.153	9130	500	R 1900
5x150 rm	64.7	326	359	0.124	10800	250	R 1500
5x185 rm	72.2	374	406	0.0991	13160	250	R 1700
5x240 rm	81.9	445	473	0.0754	17460	250	R 1800
3X16+10 rm	26.25	79	102	1.15/1.83	1626	1000	R 1300
3X25+16 rm	30.33	106	133	0.727/1.15	2202	1000	R 1400
3X35+16 rm	32.7	129	159	0.524/1.15	2620	1000	R 1500
3X50+25 rm	37.5	157	188	0.387/0.727	3562	1000	R 1600
3X70+35 rm	42.06	199	232	0.268/0.524	4631	1000	R 1800
3X95+50 rm	48.43	246	280	0.193/0.387	6342	500	R 1500
3X120+70 rm	52.26	285	318	0.153/0.268	7586	500	R 1700
3X150+70 rm	56.03	326	359	0.124/0.268	8741	500	R 1800
3X185+95 rm	62.75	374	406	0.0991/0.193	10873	250	R 1500
3X240+120 rm	69.47	445	473	0.754/0.153	13522	250	R 1700
3X240+120 rm	69.47	445	473	0.754/0.153	13522	250	R 1700

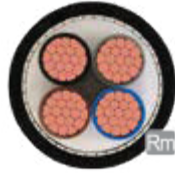
## 0.6 / 1 kV PVC İzoleli Yassı Çelik Tel Zırhlı Güç Kabloları 0.6 / 1 kV PVC Insulated Flat Steel Wire Armoured Power Cables

### YVZ3V / NYFGbY



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) PVC İzole  
PVC Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) Galvanizli Yassı Çelik Tel Zırh  
Galvanized Flat Steel Wire  
Armour
- 5) Galvanizli Çelik Bant  
Galvanized Steel Tape
- 6) PVC Kılıf  
PVC Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



#### STANDARD

TS IEC 60502-1

#### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

#### KULLANIM ALANLARI

Mekanik zorlanmanın fazla olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır. Zırhlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

#### TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

#### USAGE AREAS

It is used in places where the mechanical stresses are high. used as surface mounted, in ducts, underground, as mains and lighting cable. Due to having galvanized round steel wire armour, they conform to heavy installation and mounting conditions.

70°C

Max. işletme sıcaklığı  
Max. Operating  
temperature

160°C

Kısa devre sıcaklığı  
Short circuit  
temperature



Test Gerilimi  
(AC) 4 kV  
Test Voltage  
(AC) 4 kV



Alev dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Örgülü  
Stranded



Som  
Solid



Serim sıcaklığı  
minimum 5°C  
Installation  
temperature  
min 5°C



Dağıtım panoları  
Distribution panels



Boru içinde  
In conduit



Açıkta  
Outdoor



Beton içinde  
In concrete



Toprak altında  
Direct buried



Endüstriyel tesisat  
Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## YVZ3V / NYFGbY

### YVZ3V / NYGbY (0.6/1kV)

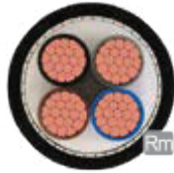
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
1X10 rm	14.21	64	83	1.83	460	1000	R 900
1X16 rm	15.23	84	107	1.15	560	1000	R 900
1X25 rm	16.96	114	138	0.727	712	1000	R 1000
1X35 rm	18.19	139	164	0.524	852	1000	R 1100
1X50 rm	19.61	169	195	0.387	1020	1000	R 1100
1X70 rm	21.55	213	238	0.268	1312	1000	R 1200
1X95 rm	23.80	264	286	0.198	1633	1000	R 1300
1X120 rm	25.12	307	325	0.153	1910	1000	R 1400
1X150 rm	27.10	352	365	0.124	2268	1000	R 1400
1X185 rm	29.94	406	413	0.0991	2764	1000	R 1500
1X240 rm	33.00	483	479	0.0754	3434	1000	R 1600
1X300 rm	35.94	557	541	0.0601	4085	1000	R 1700
2X10 rm	20.23	59	79	1.83	902	1000	R 1200
2X16 rm	22.16	79	102	1.15	1105	1000	R 1200
2X25 rm	25.73	106	133	0.727	1507	1000	R 1400
2X35 rm	28.30	129	159	0.524	1854	1000	R 1500
3X10 rm	21.25	59	79	1.83	1015	1000	R 1100
3X16 rm	23.29	79	102	1.15	1292	1000	R 1300
3X25 rm	27.21	106	133	0.727	1784	1000	R 1400
3X35 rm	30.05	129	159	0.524	2222	1000	R 1500
3X50 rm	33.32	157	188	0.387	2757	1000	R 1600
3X70 rm	38.34	199	232	0.268	3727	1000	R 1700
3X95 rm	43.58	246	280	0.198	4870	500	R 1500
3X120 rm	47.07	285	318	0.153	5824	500	R 1600
3X150 rm	51.55	326	359	0.124	6983	500	R 1700
3X185 rm	58.10	374	406	0.0991	8731	250	R 1600
3X240 rm	64.86	445	473	0.0754	11026	250	R 1600

## YVZ3V / NYFGbY



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) PVC İzole  
PVC Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) Galvanizli Yassı Çelik Tel Zırh  
Galvanized Flat Steel Wire  
Armour
- 5) Galvanizli Çelik Bant  
Galvanized Steel Tape
- 6) PVC Kılıf  
PVC Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Tellli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
TS IEC 60502-1

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

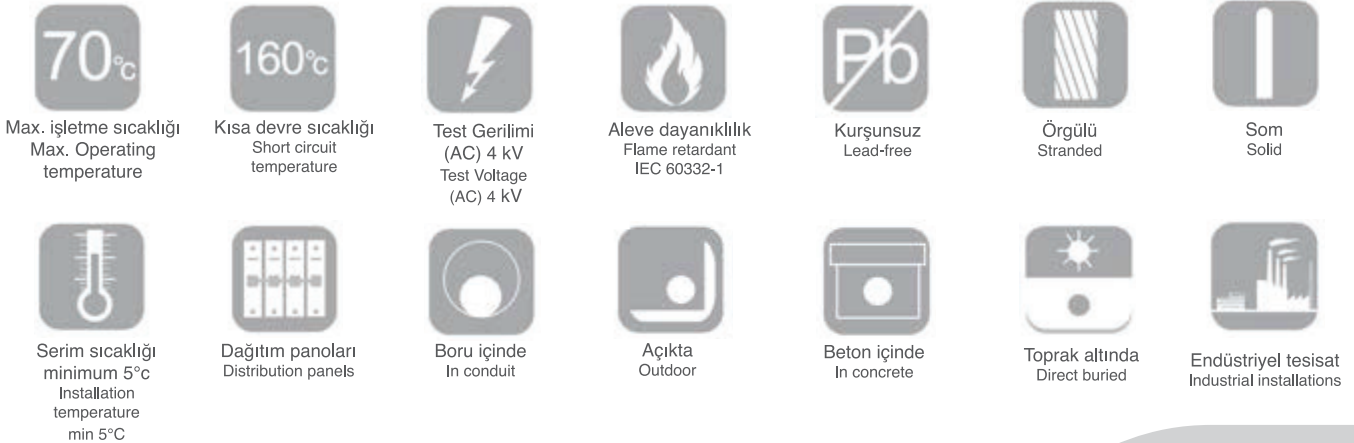
Mekanik zorlanmanın fazla olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır. Zırhlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

### TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

It is used in places where the mechanical stresses are high. used as surface mounted, in ducts, underground, as mains and lighting cable. Due to having galvanized round steel wire armour, they conform to heavy installation and mounting conditions.



## TEKNİK ÖZELLİKLER TECHNICAL DATA

# YVZ3V / NYFGbY

### YVZ3V / NYFGbY (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm²	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
4X10 rm	22.78	59	79	1.83	1202	1000	R 1200
4X16 rm	25.12	79	102	1.15	1515	1000	R 1400
4X25 rm	29.72	106	133	0.727	2150	1000	R 1500
4X35 rm	32.89	129	159	0.524	2689	1000	R 1600
4X50 rm	37.03	157	188	0.387	3419	1000	R 1700
4X70 rm	42.05	199	232	0.268	4565	500	R 1500
4X95 rm	48.38	246	280	0.198	6039	500	R 1600
4X120 rm	51.77	285	318	0.153	7207	500	R 1700
4X150 rm	56.79	326	359	0.124	8655	500	R 1800
4X185 rm	64.10	374	406	0.0991	10827	250	R 1800
4X240 rm	71.63	445	473	0.0754	13728	250	R 1800
5 x 10	24.51	59	79	1.83	1373	1000	R 1300
5 x 16	27.10	79	102	1.15	1770	1000	R 1400
5 x 25	32.34	106	133	0.727	2521	1000	R 1600
5 x 35	36.38	129	159	0.524	3234	1000	R 1700
5 x 50	40.42	157	188	0.387	4025	500	R 1500
5 x 70	46.53	199	232	0.268	5481	500	R 1600
5 x 95	53.08	246	280	0.198	7219	500	R 1700
5 x 120	56.90	285	318	0.153	8610	500	R 1800
5 x 150	63.01	326	359	0.124	10487	250	R 1500
5 x 185	70.54	374	406	0.0991	13002	250	R 1700
5 x 240	79.38	445	473	0.0754	16593	250	R 1800
3X16+10 rm	24.61	79	102	1.15/1.83	1439	1000	R 1300
3X25+16 rm	28.52	106	133	0.727/1.15	1978	1000	R 1500
3X35+16 rm	30.92	129	159	0.524/1.15	2391	1000	R 1500
3X50+25 rm	35.29	157	188	0.387/0.727	3107	1000	R 1600
3X70+35 rm	39.87	199	232	0.268/0.524	4094	500	R 1500
3X95+50 rm	45.22	246	280	0.193/0.387	5344	500	R 1600
3X120+70 rm	49.48	285	318	0.153/0.268	6572	500	R 1700
3X150+70 rm	53.30	326	359	0.124/0.268	7671	250	R 1600
3X185+95 rm	60.28	374	406	0.0991/0.193	9686	250	R 1600
3X240+120 rm	66.83	445	473	0.754/0.153	12129	250	R 1700

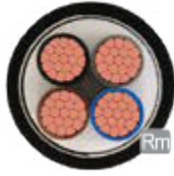
## 0.6 / 1 kV PVC İzoleli Çift Çelik Bant Zırhlı Güç Kabloları 0.6 / 1 kV PVC insulated Steel Double Tape Armored Power Cables

### YVZ4V / NYBY



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) PVC İzole  
PVC Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) Galvanizli Çift Çelik Bant  
Galvanized Double Steel Tape
- 5) PVC Kılıf  
PVC Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Tellli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



#### STANDARD

TS IEC 60502-1

#### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160°C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

#### KULLANIM ALANLARI

Mekanik zorlanmanın fazla olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır. Zırhlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

#### TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

#### USAGE AREAS

It is used in places where the mechanical stresses are high. used as surface mounted, in ducts, underground, as mains and lighting cable. Due to having galvanized double steel wire armour, they conform to heavy installation and mounting conditions.

70°C  
Max. işletme sıcaklığı  
Max. Operating temperature

160°C  
Kısa devre sıcaklığı  
Short circuit temperature

Test Gerilimi  
(AC) 4 kV  
Test Voltage  
(AC) 4 kV

Aleve dayanıklılık  
Flame retardant  
IEC 60332-1

Pb  
Kurşunsuz  
Lead-free

Örgülü  
Stranded

Som  
Solid

Serim sıcaklığı  
minimum 5°C  
Installation temperature  
min 5°C

Boru içinde  
In conduit

Açıkta  
Outdoor

Beton içinde  
In concrete

Toprak altında  
Direct buried

Endüstriyel tesisat  
Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## YVZ4V / NYBY

### YVZ4V / NYBY (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
1X10 rm	12.97	64	83	1.83	336	1000	R 900
1X16 rm	14.00	84	107	1.15	417	1000	R 900
1X25 rm	15.75	114	138	0.727	552	1000	R 1000
1X35 rm	16.99	139	164	0.524	674	1000	R 1000
1X50 rm	18.43	169	195	0.387	824	1000	R 1100
1X70 rm	20.39	213	238	0.268	1075	1000	R 1100
1X95 rm	22.66	264	286	0.198	1384	1000	R 1200
1X120 rm	23.99	307	325	0.153	1641	1000	R 1300
1X150 rm	25.95	352	365	0.124	1957	1000	R 1400
1X185 rm	28.78	406	413	0.0991	2413	1000	R 1500
1X240 rm	31.87	483	479	0.0754	3045	1000	R 1600
1X300 rm	34.29	557	541	0.0601	3609	1000	R 1700
2X10 rm	18.95	59	79	1.83	678	1000	R 1100
2X16 rm	20.90	79	102	1.15	866	1000	R 1100
2X25 rm	24.51	106	133	0.727	1210	1000	R 1300
2X35 rm	27.02	129	159	0.524	1513	1000	R 1400
3X10 rm	19.98	59	79	1.83	797	1000	R 1100
3X16 rm	22.04	79	102	1.15	1033	1000	R 1200
3X25 rm	25.95	106	133	0.727	1466	1000	R 1400
3X35 rm	28.78	129	159	0.524	1863	1000	R 1500
3X50 rm	32.09	157	188	0.387	2360	1000	R 1600
3X70 rm	38.48	199	232	0.268	3766	1000	R 1700
3X95 rm	43.77	246	280	0.198	4904	500	R 1500
3X120 rm	47.30	285	318	0.153	5872	500	R 1600
3X150 rm	51.81	326	359	0.124	7037	500	R 1700
3X185 rm	58.43	374	406	0.0991	8779	250	R 1600
3X240 rm	65.26	445	473	0.0754	11070	250	R 1600

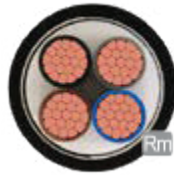
## 0.6 / 1 kV PVC İzoleli Çift Çelik Bant Zırhlı Güç Kabloları 0.6 / 1 kV PVC Insulated Steel Double Tape Armored Power Cables

### YVZ4V / NYBY



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) PVC İzole  
PVC Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) Galvanizli Çift Çelik Bant  
Galvanized Double Steel Tape
- 5) PVC Kılıf  
PVC Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



#### STANDARD

TS IEC 60502-1

#### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

#### KULLANIM ALANLARI

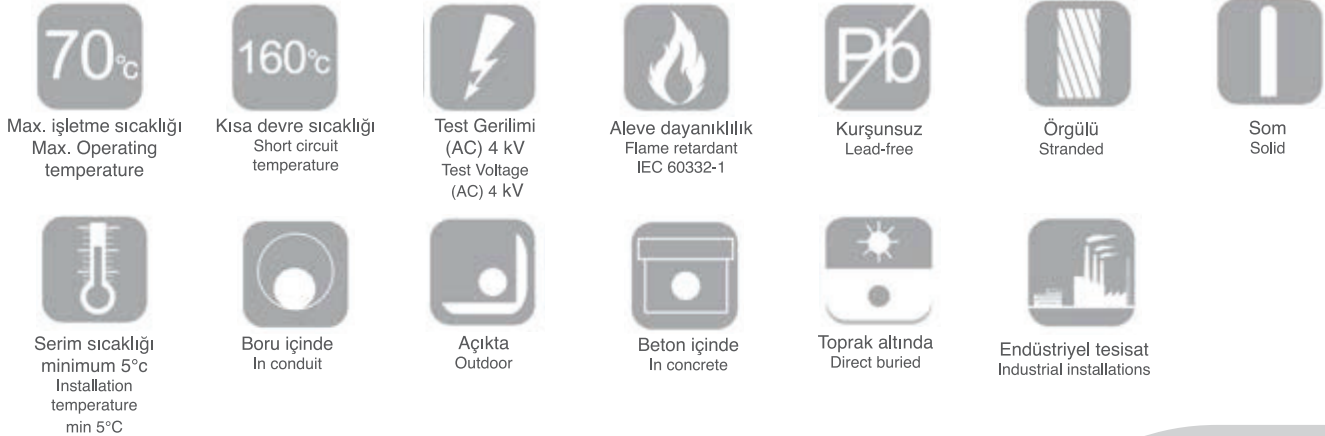
Mekanik zorlanmanın fazla olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatmakablosuolarak kullanılır. Zırhlı yapısı sayesinde dışarıdan gelebilecek darbelere karşı dayanıklıdır.

#### TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

#### USAGE AREAS

It is used in places where the mechanical stresses are high. used as surface mounted, in ducts, underground, as mains and lighting cable. Due to having galvanized double steel wire armour, they conform to heavy installation and mounting conditions.



## TEKNİK ÖZELLİKLER TECHNICAL DATA

## YVZ4V / NYBY

### YVZ4V / NYBY (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
4X10 rm	21.52	59	79	1.83	941	1000	R 1100
4X16 rm	23.89	79	102	1.15	1240	1000	R 1300
4X25 rm	28.45	106	133	0.727	1789	1000	R 1500
4X35 rm	31.65	129	159	0.524	2290	1000	R 1500
4X50 rm	35.83	157	188	0.387	2962	1000	R 1700
4X70 rm	42.23	199	232	0.268	4596	500	R 1500
4X95 rm	48.62	246	280	0.198	6086	500	R 1600
4X120 rm	52.04	285	318	0.153	7239	500	R 1700
4X150 rm	57.11	326	359	0.124	8703	500	R 1800
4X185 rm	64.50	374	406	0.0991	10882	250	R 1600
4X240 rm	72.09	445	473	0.0754	13769	250	R 1700
5 X 10	23.27	59	79	1.83	1095	1000	R 1300
5 X 16	25.85	79	102	1.15	1451	1000	R 1400
5 X 25	31.10	106	133	0.727	2121	1000	R 1500
5 X 35	35.17	129	159	0.524	2774	1000	R 1700
5 X 50	40.57	157	188	0.387	4077	500	R 1500
5 X 70	46.75	199	232	0.268	5519	500	R 1600
5 X 95	53.36	246	280	0.198	7250	500	R 1800
5 X 120	57.22	285	318	0.153	8660	250	R 1500
5 X 150	63.39	326	359	0.124	10522	250	R 1600
5 X 185	70.99	374	406	0.0991	13048	250	R 1700
5 X 240	79.92	445	473	0.0754	16647	250	R 1800
3X16+10 rm	23.18	79	102	1.15/1.83	1169	1000	R 1300
3X25+16 rm	26.99	106	133	0.727/1.15	1645	1000	R 1400
3X35+16 rm	29.39	129	159	0.524/1.15	2018	1000	R 1500
3X50+25 rm	33.76	157	188	0.387/0.727	2678	1000	R 1600
3X70+35 rm	39.65	199	232	0.268/0.524	4149	1000	R 1800
3X95+50 rm	45.00	246	280	0.193/0.387	5400	500	R 1500
3X120+70 rm	49.26	285	318	0.153/0.268	6632	500	R 1700
3X150+70 rm	53.08	326	359	0.124/0.268	7728	500	R 1800
3X185+95 rm	66.06	374	406	0.0991/0.193	9748	250	R 1500
3X240+120 rm	66.61	445	473	0.754/0.153	12215	250	R 1700

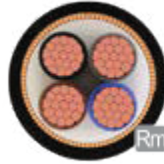
## 0.6 / 1 kV PVC İzoleli Konsantrik İletkenli Güç Kabloları 0.6 / 1 kV PVC Insulated Power Cable With Concentric Conductor

### YVCV / NYCY



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) PVC İzole  
PVC Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) Konsantrik Bakır İletken  
Concentric Copper Conductors
- 5) Bakır Bant  
Copper Tape
- 6) PVC Kılıf  
PVC Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Tellî Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
TS IEC 60502-1

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160° C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD
Anmam gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Şehir şebekeleri, cadde aydınlatmaları ve ev bağlantılarında tercihen toprak altında kullanılır. Darbe sonrası hasar görmesi durumunda hat sigortası açılarak devre güvenliği sağlanır.

### TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

Preferably used underground in mains, street lightings and house connections. In case of physical damage provide the circuit safety by turning off line circuit breaker.

 Max. işletme sıcaklığı Max. Operating temperature	 Kısa devre sıcaklığı Short circuit temperature	 Test Gerilimi (AC) 4 kV Test Voltage (AC) 4 kV	 Alev dayanıklılık Flame retardant IEC 60332-1	 Kurşunsuz Lead-free	 Örgülü Stranded	 Som Solid
 Serim sıcaklığı minimum 5°C Installation temperature min 5°C	 Dağıtım panoları Distribution panels	 Boru içinde In conduit	 Açıkta Outdoor	 Beton içinde In concrete	 Toprak altında Direct buried	 Endüstriyel tesisat Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## YVCV / NYCY

### YVCY / NYCY (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
		Air	Ground				
mm <sup>2</sup>	mm	A	A	ohm / km	kg / km	m	C: Kanga/Coil R: Makara/Reel
2X1.5/1.5	13.7	19.5	27	12.1	237	1000	R 900
2X2.5/2.5	14.81	26	36	7.41	288	1000	R 1000
2X4/4	16.87	34	47	4.61	384	1000	R 1000
2X6/6	18.25	44	59	3.08	470	1000	R 1100
2X10/10	21.30	60	79	1.83	667	1000	R 1100
2X16/16	23.90	80	102	1.15	894	1000	R 1300
2X25/16	27.50	108	133	0.727	1214	1000	R 1500
2X35/16	30.10	132	160	0.524	1507	1000	R 1500
3X1.5/1.5	14.18	19.5	27	12.1	262	1000	R 900
3X2.5/2.5	15.35	26	36	7.41	322	1000	R 1000
3X4/4	17.55	34	47	4.61	436	1000	R 1100
3X6/6	19	44	59	3.08	540	1000	R 1100
3X10/10	22.25	60	79	1.83	776	1000	R 1200
3X16/16	25.01	80	102	1.15	1056	1000	R 1400
3X25/16	28.99	108	133	0.727	1469	1000	R 1500
3X35/16	31.79	132	160	0.524	1849	1000	R 1600
3X50/25	34.22	160	190	0.387	2396	1000	R 1600
3X70/35	39.15	202	234	0.268	3298	1000	R 1800
3X95/50	44.80	249	280	0.198	4429	500	R 1500
3X120/70	48.62	289	319	0.153	5471	500	R 1700
3X150/70	53.05	329	357	0.124	6536	500	R 1800
3X185/95	59.80	377	402	0.0991	8299	250	R 1600
3X240/120	67.17	443	463	0.0754	10674	250	R 1700
3X300/150	73.84	504	518	0.0754	12944	250	R 1800

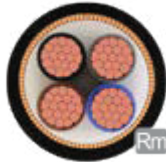
## 0.6 / 1 kV PVC İzoleli Konsantrik İletkenli Güç Kabloları 0.6 / 1 kV PVC Insulated Power Cable With Concentric Conductor

### YVCV / NYCY



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) PVC İzole  
PVC Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) Konsantrik Bakır İletken  
Concentric Copper Conductors
- 5) Bakır Bant  
Copper Tape
- 6) PVC Kılıf  
PVC Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Tellî Yuvarlak İletken  
Rm : Multi Wire Round Conductor



#### STANDARD

TS IEC 60502-1

#### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

#### KULLANIM ALANLARI

Şehir şebekeleri, cadde aydınlatmaları ve ev bağlantılarında tercihen toprak altında kullanılır. Darbe sonrası hasar görmesi durumunda hat sigortası açılarak devre güvenliği sağlanır.

#### TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

#### USAGE AREAS

Preferably used underground in mains, street lightings and house connections. In case of physical damage provide the circuit safety by turning off line circuit breaker.

70°C

Max. işletme sıcaklığı  
Max. Operating  
temperature

160°C

Kısa devre sıcaklığı  
Short circuit  
temperature



Test Gerilimi  
(AC) 4 kV  
Test Voltage  
(AC) 4 kV



Alev dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Örgülü  
Stranded



Som  
Solid



Serim sıcaklığı  
minimum 5°C  
Installation  
temperature  
min 5°C



Dağıtım panoları  
Distribution panels



Boru içinde  
In conduit



Açıkta  
Outdoor



Beton içinde  
In concrete



Toprak altında  
Direct buried



Endüstriyel tesisat  
Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## YVCV / NYCY

### YVCY / NYCY (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kanga/Coil R: Makara/Reel
4X1.5/1.5	14.95	19.5	27	12.10	298	1000	R 1000
4X2.5/2.5	16.23	26	36	7.41	370	1000	R 1000
4X4/4	18.65	34	47	4.61	507	1000	R 1100
4X6/6	20.24	44	59	3.08	633	1000	R 1100
4X10/10	23.80	60	79	1.83	920	1000	R 1300
4X16/16	26.83	80	102	1.15	1262	1000	R 1400
4X25/16	31.41	108	133	0.727	1794	1000	R 1600
4X35/16	34.55	132	160	0.524	2281	1000	R 1600
4X50/25	37.36	160	190	0.387	2961	1000	R 1700
4X70/35	42.83	202	234	0.268	4094	500	R 1500
4X95/50	49.10	249	280	0.198	5517	500	R 1600
4X120/70	53.28	289	319	0.153	6810	500	R 1700
4X150/70	58.25	329	357	0.124	8180	250	R 1500
4X185/95	65.72	377	402	0.0991	10379	250	R 1600
4X240/120	73.89	443	463	0.0754	13374	250	R 1800
4X300/150	81.29	504	518	0.0601	16233	250	R 1900
5X1.5/1.5	15.8	19.5	27	12.10	338	1000	R 1000
5X2.5/2.5	17.2	26	36	7.41	423	1000	R 1000
5X4/4	19.8	34	47	4.61	583	1000	R 1100
5X6/6	21.6	44	59	3.08	736	1000	R 1200
5X10/10	25.5	60	79	1.83	1078	1000	R 1400
5X16/16	28.9	80	102	1.15	1493	1000	R 1500
5X25/16	34	108	133	0.727	2147	1000	R 1700
5X35/16	37.5	132	160	0.524	2749	1000	R 1700
5X50/25	40.8	160	190	0.387	3579	500	R 1500
5X70/35	46.8	202	234	0.268	4957	500	R 1600
5X95/50	53.7	249	280	0.198	6689	500	R 1700
5X120/70	58.3	289	319	0.153	8252	250	R 1500
5X150/70	63.8	329	357	0.124	9945	250	R 1600
5X185/95	72.1	377	402	0.0991	12625	250	R 1700
5X240/120	81.1	443	463	0.0754	16282	250	R 1900

## 0.6 / 1 kV PVC İzoleli Sektör Kesitli Güç Kabloları 0.6 / 1 kV PVC Insulated Stranded Sectoral Conductor Power Cables

### NY (SM)



- 1) Sektör Kesitli Bakır İletken  
Multi Wire Sectoral Conductor
- 2) PVC İzole  
PVC Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) PVC Kılıf  
PVC Sheath

SM : Sektör Kesitli Çoklu Bakır iletken  
SM : Multi Wire Sectoral Conductor



#### STANDARD

VDE 0276-603

#### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 0.6/1kV

#### KULLANIM ALANLARI

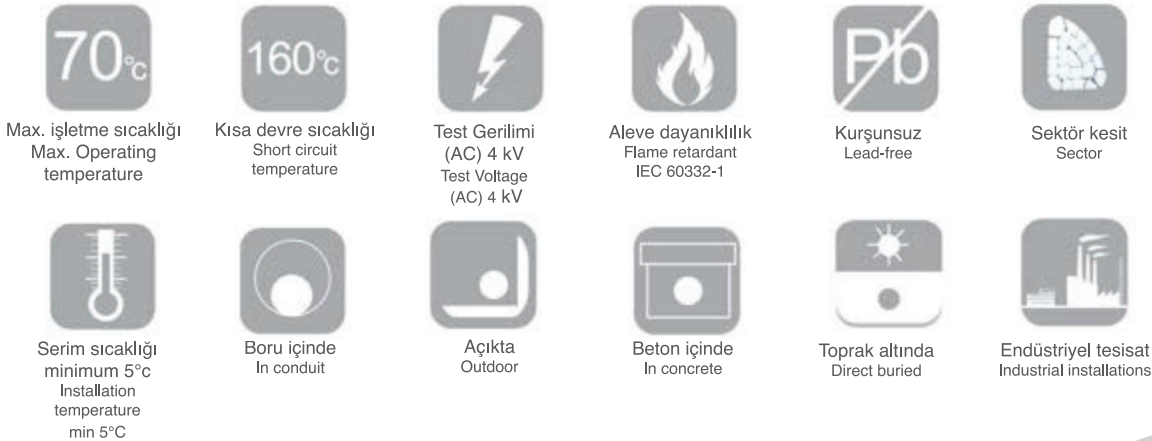
Mekanik zorlanmanın az olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır.

#### TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD
Rated Voltage	: 0.6/1kV

#### USAGE AREAS

It is used in place where the mechanical stresses are low, used as surface mounted, in ducts, underground, as mains and lighting cables.

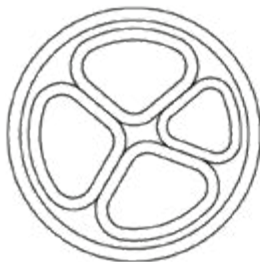


## TEKNİK ÖZELLİKLER TECHNICAL DATA

## NYY (SM)

### NYY (SM) (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
3X50 SM	24.50	160	190	0.387	1619	1000	R 1400
3X70 SM	27.30	202	234	0.268	2235	1000	R 1500
3X95 SM	30.70	249	280	0.198	3019	1000	R 1600
3X120 SM	33.30	289	319	0.153	3725	1000	R 1700
3X150 SM	37.30	329	357	0.124	4604	500	R 1400
3X185 SM	41.10	377	402	0.0991	5776	500	R 1500
3X240 SM	46.40	443	463	0.0754	7515	500	R 1600
4X50 SM	27.00	160	190	0.387	2087	1000	R 1500
4X70 SM	30.80	202	234	0.268	2923	1000	R 1600
4X95 SM	35.20	249	280	0.198	3999	500	R 1400
4X120 SM	38.60	289	319	0.153	4945	500	R 1500
4X150 SM	42.70	329	357	0.124	6091	500	R 1500
4X185 SM	46.90	377	402	0.0991	7636	500	R 1600
4X240 SM	52.90	443	463	0.0754	9946	250	R 1500
3x50 SM/25 RM	26.20	157	188	0.387/0.727	1876	1000	R 1500
3x70 SM/35 SM	29.20	199	232	0.268/0.524	2581	1000	R 1500
3x95 SM/50 SM	33.90	246	280	0.193/0.387	3539	1000	R 1600
3x120 SM/70 SM	39.10	285	318	0.153/0.268	4480	500	R 1500
3x150 SM/70 SM	40.80	326	359	0.124/0.268	5319	500	R 1500
3x185 SM/95 SM	45.00	374	406	0.0991/0.193	6757	500	R 1600
3x240 SM/ 120 SM	50.90	445	473	0.754/0.153	8739	250	R 1700



$$\alpha = 100^\circ + 60^\circ$$



$$\alpha = 100^\circ + \emptyset$$



$$\alpha = 90^\circ$$



$$\alpha = 120^\circ$$

## NYRY (SM)



- 1) Sektör Kesitli Bakır İletken  
Multi Wire Sectoral Conductor
- 2) PVC İzole  
PVC Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) Yuvarlak Çelik Zırlı teli  
Steel Wire Armour (SWA)
- 5) PVC Kılıf  
PVC Sheath

SM : Sektör Kesitli Çoklu Bakır iletken  
SM : Multi Wire Sectoral Conductor



### STANDARD

VDE 0276-603

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Mekanik zorlanmanın fazla olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır. Zırlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

### TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

It is used in places where the mechanical stresses are high, used as surface mounted, in ducts, underground, as mains and lighting cable. Due to having galvanized round steel wire armour, they conform to heavy installation and mounting conditions.

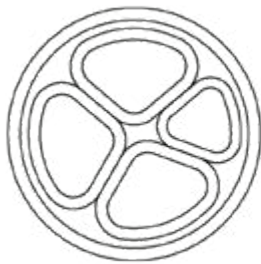


## TEKNİK ÖZELLİKLER TECHNICAL DATA

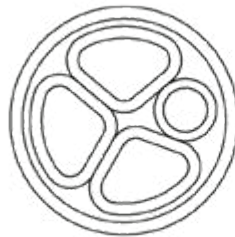
## NYRY (SM)

### NYRY (SM) (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
3X50 SM	30.89	160	190	0.387	2607	1000	R 1500
3X70 SM	34.83	202	234	0.268	3561	1000	R 1600
3X95 SM	38.61	249	280	0.198	4524	1000	R 1800
3X120 SM	41.26	289	319	0.153	5357	500	R 1500
3X150 SM	46.34	329	357	0.124	6808	500	R 1600
3X185 SM	50.18	377	402	0.0991	8252	500	R 1700
3X240 SM	55.53	443	463	0.0754	10285	250	R 1500
4X50 SM	34.94	160	190	0.387	3426	1000	R 1600
4X70 SM	38.70	202	234	0.268	4444	1000	R 1800
4X95 SM	43.21	249	280	0.198	5735	500	R 1500
4X120 SM	47.69	289	319	0.153	7226	500	R 1600
4X150 SM	51.80	329	357	0.124	8614	500	R 1700
4X185 SM	56.12	377	402	0.0991	10503	250	R 1500
4X240 SM	62.17	443	463	0.0754	13152	250	R 1600
3x50 SM/25 RM	34.31	157	188	0.387/0.727	3272	1000	R 1700
3x70 SM/35 SM	37.42	199	232	0.268/0.524	4056	1000	R 1700
3x95 SM/50 SM	42.16	246	280	0.193/0.387	5226	500	R 1500
3x120 SM/70 SM	48.60	285	318	0.153/0.268	7038	500	R 1700
3x150 SM/70 SM	50.35	326	359	0.124/0.268	7808	500	R 1700
3x185 SM/95 SM	54.61	374	406	0.0991/0.193	9516	250	R 1500
3x240 SM/ 120SM	60.61	445	473	0.754/0.153	11918	250	R 1500



$$\alpha = 100^\circ + 60^\circ$$



$$\alpha = 100^\circ + 0^\circ$$



$$\alpha = 90^\circ$$



$$\alpha = 120^\circ$$

## NYRY (SM)



- 1) Sektör Kesitli Bakır İletken  
Multi Wire Sectoral Conductor
- 2) PVC İzole  
PVC Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) Yuvarlak Çelik Zırlı teli  
Steel Wire Armour (SWA)
- 5) PVC Kılıf  
PVC Sheath

SM : Sektör Kesitli Çoklu Bakır iletken  
SM : Multi Wire Sectoral Conductor



### STANDARD

VDE 0276-603

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Mekanik zorlanmanın fazla olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır. Zırlı yapısı sayesinde dışarıdan gelebilecek darbelere karşı dayanıklıdır.

### TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

It is used in places where the mechanical stresses are high, used as surface mounted, in ducts, underground, as mains and lighting cable. Due to having galvanized round steel wire armour, they conform to heavy installation and mounting conditions.



## TEKNİK ÖZELLİKLER TECHNICAL DATA

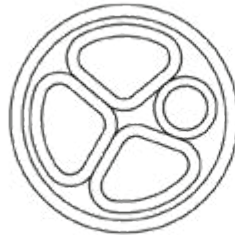
## NYRY (SM)

### NYRY (SM) (0.6/1kV)

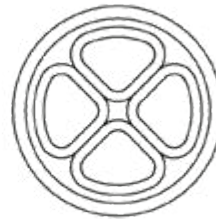
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
3X50 SM	30.89	160	190	0.387	2607	1000	R 1500
3X70 SM	34.83	202	234	0.268	3561	1000	R 1600
3X95 SM	38.61	249	280	0.198	4524	1000	R 1800
3X120 SM	41.26	289	319	0.153	5357	500	R 1500
3X150 SM	46.34	329	357	0.124	6808	500	R 1600
3X185 SM	50.18	377	402	0.0991	8252	500	R 1700
3X240 SM	55.53	443	463	0.0754	10285	250	R 1500
4X50 SM	34.94	160	190	0.387	3426	1000	R 1600
4X70 SM	38.70	202	234	0.268	4444	1000	R 1800
4X95 SM	43.21	249	280	0.198	5735	500	R 1500
4X120 SM	47.69	289	319	0.153	7226	500	R 1600
4X150 SM	51.80	329	357	0.124	8614	500	R 1700
4X185 SM	56.12	377	402	0.0991	10503	250	R 1500
4X240 SM	62.17	443	463	0.0754	13152	250	R 1600
3x50 SM/25 RM	34.31	157	188	0.387/0.727	3272	1000	R 1700
3x70 SM/35 SM	37.42	199	232	0.268/0.524	4056	1000	R 1700
3x95 SM/50 SM	42.16	246	280	0.193/0.387	5226	500	R 1500
3x120 SM/70 SM	48.60	285	318	0.153/0.268	7038	500	R 1700
3x150 SM/70 SM	50.35	326	359	0.124/0.268	7808	500	R 1700
3x185 SM/95 SM	54.61	374	406	0.0991/0.193	9516	250	R 1500
3x240 SM/ 120SM	60.61	445	473	0.754/0.153	11918	250	R 1500



$$\alpha = 100^\circ + 60^\circ$$



$$\alpha = 100^\circ + 0^\circ$$



$$\alpha = 90^\circ$$



$$\alpha = 120^\circ$$

## NYBY (SM)



- 1) Sektör Kesitli Bakır İletken  
Multi Wire Sectoral Conductor
- 2) PVC İzole  
PVC Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) Galvanizli Çift Çelik Bant  
Galvanized Double Steel Tape
- 5) PVC Kılıf  
PVC Sheath

SM : Sektör Kesitli Çoklu Bakır iletken  
SM : Multi Wire Sectoral Conductor



### STANDARD

VDE 0276-603

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Mekanik zorlanmanın fazla olduğu yerlerde sıva üstünde, kablo kanalı içinde toprak altında şebeke ve aydınlatma kablosu olarak kullanılır. Zırlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

### TECHNICAL DATA

Permissible operating temperature	: 70°C
Short circuit temperature	: 160°C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

It is used in places where the mechanical stresses are high. used as surface mounted, in ducts, underground, as mains and lighting cable. Due to having galvanized round steel wire armour, they conform to heavy installation and mounting conditions.

70°C

Max. işletme sıcaklığı  
Max. Operating  
temperature

160°C

Kısa devre sıcaklığı  
Short circuit  
temperature



Test Gerilimi  
(AC) 4 kV  
Test Voltage  
(AC) 4 kV



Aleve dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Sektör kesit  
Sector



Serim sıcaklığı  
minimum 5°C  
Installation  
temperature  
min 5°C



Boru içinde  
In conduit



Açıkta  
Outdoor



Beton içinde  
In concrete



Toprak altında  
Direct buried



Endüstriyel tesisat  
Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## NYBY (SM)

### NYBY (SM) (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
3X50 SM	27.62	160	190	0.387	2049	1000	R 1500
3X70 SM	32.09	202	234	0.268	3149	1000	R 1600
3X95 SM	35.06	249	280	0.198	3618	1000	R 1700
3X120 SM	39.09	289	319	0.153	4898	500	R 1500
3X150 SM	43.16	329	357	0.124	5889	500	R 1500
3X185 SM	47.52	377	402	0.0991	7281	500	R 1600
3X240 SM	52.97	443	463	0.0754	9199	500	R 1800
4X50 SM	30.88	160	190	0.387	2590	1000	R 1500
4X70 SM	35.15	202	234	0.268	3523	1000	R 1700
4X95 SM	41.07	249	280	0.198	5246	500	R 1500
4X120 SM	44.54	289	319	0.153	6320	500	R 1500
4X150 SM	49.17	329	357	0.124	7601	500	R 1700
4X185 SM	53.58	377	402	0.0991	9391	500	R 1800
4X240 SM	60.19	443	463	0.0754	11923	250	R 1500
3x50 SM/25 RM	29.99	157	188	0.387/0.727	2467	1000	R 1500
3x70 SM/35 SM	33.58	199	232	0.268/0.524	3168	1000	R 1600
3x95 SM/50 SM	39.69	246	280	0.193/0.387	4734	500	R 1500
3x120 SM/70 SM	45.09	285	318	0.153/0.268	6113	500	R 1500
3x150 SM/70 SM	47.30	326	359	0.124/0.268	6850	500	R 1600
3x185 SM/95 SM	51.59	374	406	0.0991/0.193	8429	500	R 1700
3x240 SM/ 120 SM	58.10	445	473	0.754/0.153	10709	250	R 1500



$$\alpha = 100^\circ + 60^\circ$$



$$\alpha = 100^\circ + 0^\circ$$



$$\alpha = 90^\circ$$



$$\alpha = 120^\circ$$

## NYCY (SM)



- 1) Sektör Kesitli Bakır İletken  
Multi Wire Sectoral Conductor
- 2) PVC İzole  
PVC Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) Konsantrik Bakır İletken  
Concentric Copper Conductors
- 5) Bakır Bant  
Copper Tape
- 6) PVC Kılıf  
PVC Sheath

SM : Sektör Kesitli Çoklu Bakır İletken  
SM : Multi Wire Sectoral Conductor



### STANDARD

VDE 0276-603

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Şehir şebekeleri, cadde aydınlatmaları ve ev bağlantılarında tercihen toprak altında kullanılır. Darbe sonrası hasar görmesi durumunda hat sigortası açılarak devre güvenliği sağlanır.

### TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

Preferably used underground in mains, street lightings and house connections. In case of physical damage provide the circuit safety by turning off line circuit breaker.

70°C

Max. işletme sıcaklığı  
Max. Operating temperature

160°C

Kısa devre sıcaklığı  
Short circuit temperature



Test Gerilimi  
(AC) 4 kV  
Test Voltage  
(AC) 4 kV



Alev dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Sektör kesit  
Sector



Serim sıcaklığı  
minimum 5°C  
Installation temperature  
min 5°C



Boru içinde  
In conduit



Açıkta  
Outdoor



Beton içinde  
In concrete



Toprak altında  
Direct buried



Endüstriyel tesisat  
Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## NYCY (SM)

### NYCY (SM) (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
3X50 SM / 25	30.17	160	190	0.387	2137	1000	R 1500
3X70 SM/ 35	33.75	202	234	0.268	2883	1000	R 1700
3X95 SM / 50	38.05	249	280	0.198	3838	500	R 1400
3X120 SM / 70	41.48	289	319	0.153	4773	500	R 1500
3X150 SM / 70	45.48	329	357	0.124	5700	500	R 1500
3X185 SM / 95	50.11	377	402	0.0991	7132	500	R 1700
3X240 SM /120	56.18	443	463	0.0754	9175	500	R 1800
4X50 SM / 25	33.36	160	190	0.387	2583	1000	R 1600
4X70 SM / 35	37.62	202	234	0.268	3573	1000	R 1800
4X95 SM / 50	42.65	249	280	0.198	4778	500	R 1500
4X120 SM / 70	46.83	289	319	0.153	5972	500	R 1600
4X150 SM / 70	50.93	329	357	0.124	7143	500	R 1700
4X185 SM / 95	56.06	377	402	0.0991	8924	500	R 1800
4X240 SM / 120	62.82	443	463	0.0754	11496	250	R 1600



$$\alpha = 100^\circ + 60^\circ$$



$$\alpha = 100^\circ + 0^\circ$$



$$\alpha = 90^\circ$$



$$\alpha = 120^\circ$$

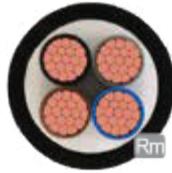
## 0.6 / 1 kV XLPE İzoleli Güç Kabloları 0.6 / 1 kV XLPE Insulated Power Cables

### YXV / N2XY



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) XLPE İzole  
XLPE Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) PVC Kılıf  
PVC Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
TS IEC 60502-1

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Bina içinde ve endüstriyel fabrika yada mekanik hasar beklenmeyen dağıtım merkezlerinde ani yük değişimlerinin olduğu tesislerde yüksek çalışma sıcaklıklarında kullanılmaya uygundur. Kısa süreli ani sıcaklık artışlarına dayanıklıdır. PVC 'ye oranla yüksek elektrik yalıtımına sahiptir.

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

Suitable for using indoor and industrial factory or the distribution centers where mechanical damage is not expected. in plants in which sudden load fluctuations occur and in high operating temperature. Strong against sudden temperature rises. Have higher electrical insulation than PVC.

 Max. işletme sıcaklığı Max. Operating temperature	 Kısa devre sıcaklığı Max. short Circuit temperature	 Test Gerilimi (AC) 4 kV Test Voltage (AC) 4 kV	 Alev dayanıklılık Flame retardant IEC 60332-1	 Kurşunsuz Lead-free	 Örgülü Stranded	 Som Solid
 Serim sıcaklığı minimum 5°C Installation temperature min 5°C	 Dağıtım panoları Distribution panels	 Boru içinde In conduit	 Açıkta Outdoor	 Beton içinde In concrete	 Toprak altında Direct buried	 Endüstriyel tesisat Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## YXV / N2XY

### YXV / N2XY (0.61/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel

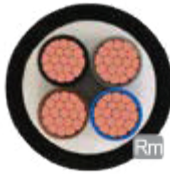
1X4 re	6.45	44	54	4.61	100	1000	R 500
1X6 re	6.95	56	67	3.08	125	1000	R 500
1X10 rm	8.1	77	89	1.83	139	1000	R 600
1X16 rm	9.1	102	115	1.15	198	1000	R 700
1X25 rm	10.8	138	148	0.727	295	1000	R 700
1X35 rm	11.85	170	177	0.524	387	1000	R 800
1X50 rm	13.35	207	209	0.387	508	1000	R 900
1X70 rm	15.25	263	256	0.268	715	1000	R 1000
1X95 rm	17.15	325	307	0.198	964	1000	R 1000
1X120 rm	18.65	380	349	0.153	1199	1000	R 1100
1X150 rm	20.75	437	391	0.124	1475	1000	R 1100
1X185 rm	23.35	507	442	0.0991	1856	1000	R 1300
1X240 rm	26.15	604	509	0.0754	2406	1000	R 1400
1X300 rm	29.25	697	569	0.0601	2946	1000	R 1500
2X1.5 re	10.15	24	31	12.1	140	1000	R 700
2X2.5 re	10.95	32	40	7.41	173	1000	R 700
2X4 re	11.85	42	52	4.61	218	1000	R 800
2X6 re	12.85	53	64	3.08	275	1000	R 800
2X10 rm	15.35	74	86	1.83	411	1000	R 1000
2X16 rm	17.45	98	112	1.15	573	1000	R 1000
2X25 rm	20.85	133	145	0.727	848	1000	R 1100
2X35 rm	23.65	162	174	0.524	1131	1000	R 1300
3X1.5 re	11.05	24	31	12.1	157	1000	R 700
3X2.5 re	11.95	32	40	7.41	200	1000	R 800
3X4 re	13.05	42	52	4.61	258	1000	R 800
3X6 re	14.25	53	64	3.08	332	1000	R 900
3X10 rm	15.95	74	86	1.83	492	1000	R 1000
3X16 rm	18.05	98	112	1.15	695	1000	R 1000
3X25 rm	21.85	133	145	0.727	1048	1000	R 1200
3X35 rm	24.05	162	174	0.524	1362	1000	R 1300
3X50 rm	28.15	197	206	0.387	1850	1000	R 1500
3X70 rm	32.65	250	254	0.268	2613	1000	R 1600
3X95 rm	37.35	308	305	0.198	3540	500	R 1400
3X120 rm	40.55	359	348	0.153	4355	500	R 1500
3X150 rm	45.45	412	392	0.124	5402	500	R 1600
3X185 rm	51.15	475	444	0.0991	6805	500	R 1700
3X240 rm	57.55	564	517	0.0754	8808	250	R 1500
3X300 rm	64.15	649	585	0.0754	10790	250	R 1600

## YXV / N2XY



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) XLPE İzole  
XLPE Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) PVC Kılıf  
PVC Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
TS IEC 60502-1

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

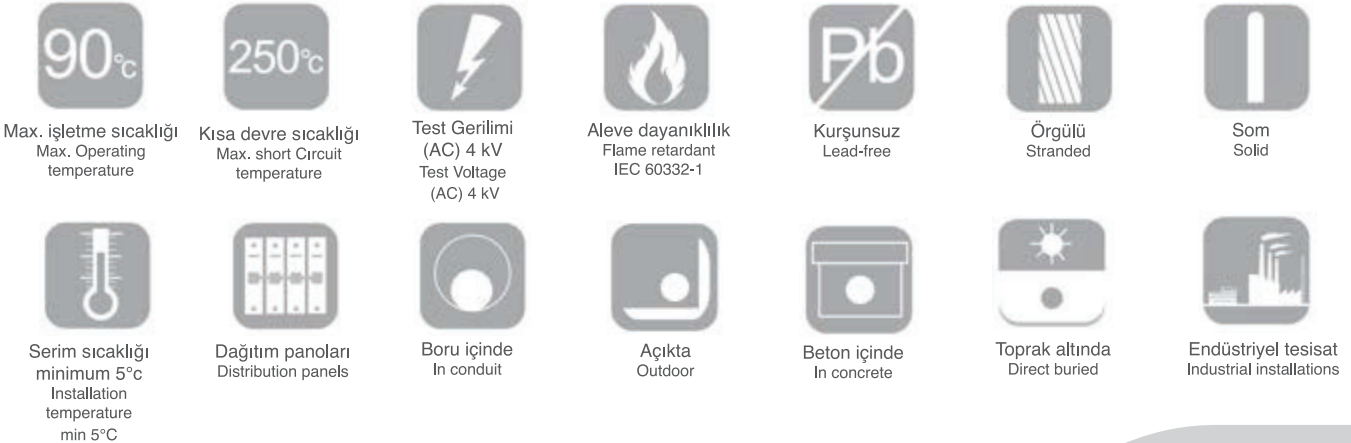
Bina içinde ve endüstriyel fabrika yada mekanik hasar beklenmeyen dağıtım merkezlerinde ani yük değişimlerinin olduğu tesislerde yüksek çalışma sıcaklıklarında kullanılmaya uygundur. Kısa süreli ani sıcaklık artışlarına dayanıklıdır. PVC 'ye oranla yüksek elektrik yalıtımına sahiptir.

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

Suitable for using indoor and industrial factory or the distribution centers where mechanical damage is not expected. in plants in which sudden load fluctuations occur and in high operating temperature. Strong against sudden temperature rises. Have higher electrical insulation than PVC.



## TEKNİK ÖZELLİKLER TECHNICAL DATA

## YXV / N2XY

### YXV / N2XY (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
4X1.5 re	11.35	24	31	12.10	184	1000	R 700
4X2.5 re	12.25	32	40	7.41	234	1000	R 800
4X4 re	13.35	42	52	4.61	306	1000	R 900
4X6 re	14.55	53	64	3.08	398	1000	R 900
4X10 rm	17.95	74	86	1.83	629	1000	R 1000
4X16 rm	20.25	98	112	1.15	888	1000	R 1100
4X25 rm	24.85	133	145	0.727	1359	1000	R 1400
4X35 rm	27.45	162	174	0.524	1775	1000	R 1500
4X50 rm	31.35	197	206	0.387	2347	1000	R 1500
4X70 rm	36.15	250	254	0.268	3299	1000	R 1700
4X95 rm	40.85	308	305	0.198	4425	500	R 1500
4X120 rm	44.45	359	348	0.153	5468	500	R 1500
4X150 rm	49.55	412	392	0.124	6742	500	R 1700
4X185 rm	55.85	475	444	0.0991	8499	250	R 1500
4X240 rm	62.55	564	517	0.0754	10969	250	R 1600
4X300 rm	69.95	649	585	0.0601	13460	250	R 1700
5X1.5 re	13.05	24	31	12.10	244	1000	R 800
5X2.5 re	14.15	32	40	7.41	310	1000	R 900
5X4 re	15.35	42	52	4.61	402	1000	R 900
5X6 re	16.75	53	64	3.08	520	1000	R 1000
5X10 rm	19.85	74	86	1.83	779	1000	R 1100
5X16 rm	22.55	98	112	1.15	1108	1000	R 1200
5X25 rm	27.15	133	145	0.727	1662	1000	R 1500
5X35 rm	26.8	162	174	0.524	1640	1000	R 1400
5X50 rm	29.8	197	206	0.387	2160	1000	R 1500
5X70 rm	34.2	250	254	0.268	2872	1000	R 1600
5X95 rm	39.5	308	305	0.198	4049	500	R 1500
5X120 rm	44.7	359	348	0.153	5443	500	R 1500
5X150 rm	48.7	412	392	0.124	6738	500	R 1600
5X185 rm	54.3	475	444	0.0991	8309	250	R 1500
5X240 rm	61.4	564	517	0.0754	10503	250	R 1500
3X16+10 rm	20.15	98	112	1.15/1.83	835	1000	R 1100
3X25+16 rm	23.85	133	145	0.727/1.15	1236	1000	R 1300
3X35+16 rm	25.75	162	174	0.524/1.15	1540	1000	R 1400
3X50+25 rm	29.75	197	206	0.387/0.727	2089	1000	R 1500
3X70+35 rm	34.05	250	254	0.268/0.524	2910	1000	R 1700
3X95+50 rm	38.45	308	305	0.193/0.387	3894	500	R 1500
3X120+70 rm	42.85	359	348	0.153/0.268	4982	500	R 1500
3X150+70 rm	46.55	412	392	0.124/0.268	5913	500	R 1600
3X185+95 rm	52.95	475	444	0.0991/0.193	7594	500	R 1800
3X240+120 rm	58.95	564	517	0.754/0.153	9730	250	R 1500

## RV-K



- 1) İnce Telli Bükülgen Bakır  
Fine Wired Flexible Copper
- 2) XLPE İzole  
XLPE Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) PVC Kılıf  
PVC Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
NFC 32-321

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

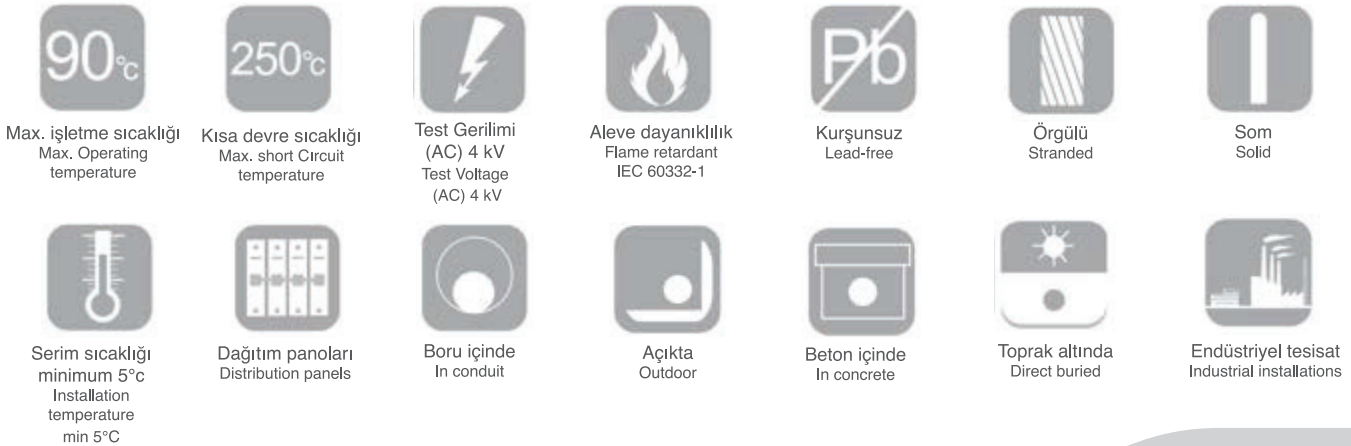
Bina içinde ve endüstriyel fabrika yada mekanik hasar beklenmeyen dağıtım merkezlerinde ani yük değişimlerinin olduğu tesislerde yüksek çalışma sıcaklıklarında kullanılmaya uygundur. Kısa süreli ani sıcaklık artışlarına dayanıklıdır. PVC 'ye oranla yüksek elektrik yalıtımına sahiptir.

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

Suitable for using indoor and industrial factory or the distribution centers where mechanical damage is not expected. in plants in which sudden load fluctuations occur and in high operating temperature. Strong against sudden temperature rises. Have higher electrical insulation than PVC.



## TEKNİK ÖZELLİKLER TECHNICAL DATA

# RV-K

### RV-K (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel

1 x 1.5	5.6	24	31	12.10	41	1000	R 500
1 x 2.5	6	33	41	7.41	55	1000	R 500
1 x 4	6.5	45	53	4.61	75	1000	R 500
1 x 6	7.3	58	66	3.08	100	1000	R 600
1 x 10	8	80	87	1.83	140	1000	R 600
1 x 16	8.9	107	113	1.15	200	1000	R 600
1 x 25	11.4	138	144	0.727	300	1000	R 700
1 x 35	12.7	169	174	0.524	400	1000	R 800
1 x 50	14.5	207	206	0.387	535	1000	R 800
1 x 70	16.7	268	254	0.268	740	1000	R 900
1 x 95	18.8	328	301	0.198	950	1000	R 1000
1 x 120	20.8	382	343	0.153	1200	1000	R 1000
1 x 150	23.5	441	387	0.124	1500	1000	R 1100
1 x 185	25.5	506	434	0.0991	1900	1000	R 1300
1 x 240	28.8	599	501	0.0754	2350	1000	R 1400
1 x 300	31.5	693	565	0.0601	3000	1000	R 1500
2 x 1.5	9.5	26	37	12.10	100	1000	R 700
2 x 2.5	10.5	36	48	7.410	120	1000	R 700
2 x 4	11.5	49	63	4.610	170	1000	R 700
2 x 6	12.5	63	80	3.080	250	1000	R 800
2 x 10	14.5	86	104	1.830	330	1000	R 900
2 x 16	16.5	115	136	1.150	510	1000	R 1000
2 x 25	21.5	149	173	0.727	800	1000	R 1100
2 x 35	24	185	208	0.524	1040	1000	R 1300
3 x 1.5	9.8	23	31	12.10	120	1000	R 700
3 x 2.5	10.8	31	41	7.410	150	1000	R 700
3 x 4	12	42	53	4.610	205	1000	R 800
3 x 6	13	54	66	3.080	300	1000	R 800
3 x 10	15.5	75	87	1.830	460	1000	R 1000
3 x 16	17.5	100	113	1.150	650	1000	R 1000
3 x 25	22.5	127	144	0.727	1010	1000	R 1100
3 x 35	25.5	158	174	0.524	1350	1000	R 1300
3 x 50	29.3	192	206	0.387	1850	1000	R 1500
3 x 70	34.3	246	254	0.268	2500	1000	R 1600
3 x 95	38.5	298	301	0.198	3450	500	R 1400
3 x 120	43	346	343	0.153	4400	500	R 1500
3 x 150	48.5	395	387	0.124	5400	500	R 1500
3 x 185	53	450	434	0.0991	6500	500	R 1700
3 x 240	60	538	501	0.0754	8600	250	R 1500
4 x 1.5	10.5	23	31	12.10	135	1000	R 700
4 x 2.5	12	31	41	7.410	180	1000	R 800
4 x 4	13	42	53	4.610	250	1000	R 800
4 x 6	14	54	66	3.080	370	1000	R 900
4 x 10	16.5	75	87	1.830	570	1000	R 1000
4 x 16	19	100	113	1.150	815	1000	R 1100
4 x 25	24.8	127	144	0.727	1300	1000	R 1400
4 x 35	27.9	158	174	0.524	1680	1000	R 1500
4 x 50	32.5	192	206	0.387	2340	1000	R 1500
4 x 70	38	246	254	0.268	3260	1000	R 1700
4 x 95	42.8	298	301	0.198	4100	500	R 1500
4 x 120	48.1	346	343	0.153	5300	500	R 1500
5 x 4	14	45	37	4.610	290	1000	R 900
5 x 6	15.5	54	46	3.080	390	1000	R 1000
5 x 10	18	75	61	1.830	655	1000	R 1100
3 x 50+25	31.5	192	206	0.387/0.727	2100	1000	R 1500
3 x 70+35	36.5	246	254	0.268/0.524	2900	1000	R 1700
3 x 95+50	41.5	298	301	0.193/0.387	3700	500	R 1400
3 x 120+70	45.5	346	343	0.153/0.268	5200	500	R 1500
3 x 150+70	51.5	395	387	0.124/0.268	6300	500	R 1600
3 x 185+95	55.8	450	434	0.0991/0.193	7800	500	R 1700
3 x 240+120	64.5	538	501	0.754/0.153	9600	250	R 1500

## U-1000 R2V



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) XLPE İzole  
XLPE Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) PVC Kılıf  
PVC Sheath



- 1.5 mm²
- 2.5 mm²
- 4 mm²
- 6 mm²
- 10 mm²
- 16 mm²



STANDARD  
XP C 32-321

### ÖZELLİK

Bu kablolar dış kılıfındaki özel renk kodlaması sayesinde 1.5 - 2.5 - 4 - 6 - 10 - 16 mm<sup>2</sup> kesitleri ölçüm yapmadan anlaşılacak üzere tasarlanmıştır. UV dayanımı sayesinde hiç bir ek korumaya gerek olmadan tüm hava şartlarında kullanılabilir.

### SPECIALITY

The special color coding in this cable is designed to understand cross sections of 1.5 - 2.5 - 4 - 6 - 10 - 16 mm<sup>2</sup> without measurement. Since these cables have UV resistance, they can be used at all weather conditions without requiring any additional protection.

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Bina içinde ve endüstriyel fabrika veya mekanik hasar beklemeyen dağıtım merkezlerinde ani yük değişimlerinin olduğu tesislerde yüksek çalışma sıcaklıklarında kullanılmaya uygundur. Kısa süreli ani sıcaklık artışlarına dayanıklıdır. PVC'ye oranla yüksek elektrik yalıtımına sahiptir.

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

Suitable for using indoor and industrial factory or the distribution centers where mechanical damage is not expected, in plants in which sudden load fluctuations occur and in high operating temperature. Strong against sudden temperature rises. Have higher electrical insulation than PVC.



Max. işletme sıcaklığı  
Max. Operating temperature



Kısa devre sıcaklığı  
Max. short Circuit temperature



Test Gerilimi  
(AC) 4 kV  
Test Voltage  
(AC) 4 kV



Aleve dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Örgülü  
Stranded



Som  
Solid



Serim sıcaklığı  
minimum 5°C  
Installation temperature  
min 5°C



Dağıtım panoları  
Distribution panels



Boru içinde  
In conduit



Açıkta  
Outdoor



Beton içinde  
In concrete



Toprak altında  
Direct buried



Endüstriyel tesisat  
Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

# U-1000 R2V

### U-1000 R2V (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel

1X10 rm	7.65	77	89	1.83	131	1000	R 600
1X16 rm	8.65	102	115	1.15	190	1000	R 600
1X25 rm	10.35	138	148	0.727	284	1000	R 700
1X35 rm	11.4	170	177	0.524	376	1000	R 800
1X50 rm	12.9	207	209	0.387	495	1000	R 800
1X70 rm	14.8	263	256	0.268	703	1000	R 900
1X95 rm	16.75	325	307	0.198	952	1000	R 1000
1X120 rm	18.25	380	349	0.153	1193	1000	R 1000
1X150 rm	20.35	437	393	0.124	1463	1000	R 1100
1X185 rm	23	507	445	0.0991	1833	1000	R 1300
1X240 rm	25.8	604	517	0.0754	2395	1000	R 1400
1X300 rm	27.9	697	663	0.0601	2950	1000	R 1500
2X1.5 re	8.05	24	31	12.1	93	1000	R 500
2X2.5 re	8.9	32	40	7.41	122	1000	R 600
2X4 re	9.8	42	52	4.61	162	1000	R 600
2X6 rm	11.5	53	64	3.08	225	1000	R 700
2X10 rm	14.5	74	86	1.83	380	1000	R 900
2X16 rm	16.60	98	112	1.15	540	1000	R 1000
2X25 rm	20	133	145	0.727	810	1000	R 1100
2X35 rm	22.8	162	174	0.524	1080	1000	R 1300
3X1.5 re	8,5	24	31	12.1	109	1000	R 600
3X2.5 re	9.4	32	40	7.41	145	1000	R 600
3X4 re	10.4	42	52	4.61	200	1000	R 700
3X6 rm	12.20	53	64	3.08	278	1000	R 700
3X10 rm	14.9	74	86	1.83	455	1000	R 900
3X16 rm	17.20	98	112	1.15	660	1000	R 1000
3X25 rm	20.95	133	145	0.727	1005	1000	R 1100
3X35 rm	23.25	162	174	0.524	1320	1000	R 1300
3X50 rm	27.0	197	206	0.387	1780	1000	R 1500
3X70 rm	31.5	250	254	0.268	2540	1000	R 1600
3X95 rm	36.15	308	305	0.198	3450	500	R 1400
3X120 rm	39.40	359	348	0.153	4280	500	R 1500
3X150 rm	44.25	412	392	0.124	5280	500	R 1500
3X185 rm	49.85	475	444	0.0991	6620	500	R 1700
3X240 rm	56.20	564	517	0.0754	8660	250	R 1500
3X300 rm	60.70	649	585	0.0754	10560	250	R 1600

## U-1000 R2V



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) XLPE İzole  
XLPE Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) PVC Kılıf  
PVC Sheath



- 1.5 mm<sup>2</sup>
- 2.5 mm<sup>2</sup>
- 4 mm<sup>2</sup>
- 6 mm<sup>2</sup>
- 10 mm<sup>2</sup>
- 16 mm<sup>2</sup>



STANDARD  
XP C 32-321

### ÖZELLİK

Bu kablolar dış kılıfındaki özel renk kodlaması sayesinde 1.5 - 2.5 - 4 - 6 - 10 - 16 mm<sup>2</sup> kesitleri ölçüm yapmadan anlaşılacak üzere tasarlanmıştır. UV dayanımı sayesinde hiç bir ek korumaya gerek olmadan tüm hava şartlarında kullanılabilir.

### SPECIALITY

The special color coding in this cable is designed to understand cross sections of 1.5 - 2.5 - 4 - 6 - 10 - 16 mm<sup>2</sup> without measurement. Since these cables have UV resistance, they can be used at all weather conditions without requiring any additional protection.

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Bina içinde ve endüstriyel fabrika veya mekanik hasar beklemeyen dağıtım merkezlerinde ani yük değişimlerinin olduğu tesislerde yüksek çalışma sıcaklıklarında kullanılmaya uygundur. Kısa süreli ani sıcaklık artışlarına dayanıklıdır. PVC'ye oranla yüksek elektrik yalıtımına sahiptir.

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

Suitable for using indoor and industrial factory or the distribution centers where mechanical damage is not expected, in plants in which sudden load fluctuations occur and in high operating temperature. Strong against sudden temperature rises. Have higher electrical insulation than PVC.



Max. işletme sıcaklığı  
Max. Operating temperature



Kısa devre sıcaklığı  
Max. short Circuit temperature



Test Gerilimi  
(AC) 4 kV  
Test Voltage  
(AC) 4 kV



Aleve dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Örgülü  
Stranded



Som  
Solid



Serim sıcaklığı  
minimum 5°C  
Installation temperature  
min 5°C



Dağıtım panoları  
Distribution panels



Boru içinde  
In conduit



Açıkta  
Outdoor



Beton içinde  
In concrete



Toprak altında  
Direct buried



Endüstriyel tesisat  
Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

# U-1000 R2V

### U-1000 R2V (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
4X1.5 re	9.20	24	31	12.10	129	1000	R 600
4X2.5 re	10.20	32	40	7.41	176	1000	R 600
4X4 re	11.30	42	52	4.61	244	1000	R 700
4X6 rm	13.30	53	64	3.08	340	1000	R 800
4X10 rm	17.10	74	86	1.83	595	1000	R 1000
4X16 rm	19.40	98	112	1.15	850	1000	R 1100
4X25 rm	24.05	133	145	0.727	1315	1000	R 1400
4X35 rm	26.50	162	174	0.524	1725	1000	R 1500
4X50 rm	30.30	197	206	0.387	2275	1000	R 1500
4X70 rm	35	250	254	0.268	3220	1000	R 1700
4X95 rm	39.60	308	305	0.198	4330	500	R 1500
4X120 rm	43.20	359	348	0.153	5390	500	R 1500
4X150 rm	48.20	412	392	0.124	6625	500	R 1600
4X185 rm	54.50	475	444	0.0991	8320	500	R 1800
4X240 rm	61.20	564	517	0.0754	10800	250	R 1500
4X300 rm	66.15	649	585	0.0601	13250	250	R 1700
5X1.5 re	9.95	24	31	12.10	150	1000	R 600
5X2.5 re	11.05	32	40	7.41	205	1000	R 700
5X4 re	12.30	42	52	4.61	290	1000	R 800
5X6 rm	14.55	53	64	3.08	408	1000	R 900
5X10 rm	19	74	86	1.83	725	1000	R 1100
5X16 rm	21.65	98	112	1.15	1045	1000	R 1200
5X25 rm	26.30	133	145	0.727	1576	1000	R 1400
5X35 rm	29.11	162	174	0.524	2075	1000	R 1400
5X50 rm	33.40	197	206	0.387	2755	1000	R 1500
5X70 rm	38.70	250	254	0.268	3910	1000	R 1700
5X95 rm	43.8	308	305	0.198	5270	500	R 1200
5X120 rm	47.80	359	348	0.153	6573	500	R 1500
5X150 rm	53.40	412	392	0.124	8075	500	R 1700
5X185 rm	60.40	475	444	0.0991	10141	250	R 1500
5X240 rm	67.80	564	517	0.0754	13192	250	R 1500
3X16+10 rm	20.15	98	112	1.15/1.83	835	1000	R 1100
3X25+16 rm	23.85	133	145	0.727/1.15	1240	1000	R 1300
3X35+16 rm	25.75	162	174	0.524/1.15	1540	1000	R 1400
3X50+25 rm	29.75	197	206	0.387/0.727	2088	1000	R 1500
3X70+35 rm	34.05	250	254	0.268/0.524	2910	1000	R 1700
3X95+50 rm	38.45	308	305	0.193/0.387	3908	500	R 1400
3X120+70 rm	42.85	359	348	0.153/0.268	4968	500	R 1500
3X150+70 rm	46.55	412	392	0.124/0.268	5893	500	R 1600
3X185+95 rm	52.95	475	444	0.0991/0.193	7150	500	R 1700
3X240+120 rm	58.95	564	517	0.754/0.153	9327	250	R 1500

## 0.6 / 1 kV XLPE İzoleli Çift Çelik Bant Zırhlı Güç Kabloları 0.6 / 1 kV XLPE insulated Double Steel Tape Armoured Power Cables

### U-1000 RVFV



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) XLPE İzole  
XLPE Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) PVC Kılıf İç Kılıf  
PVC Inner Sheath
- 5) Galvanizli Çift Çelik Bant  
Galvanized Double Steel Tape
- 6) PVC Kılıf  
PVC Sheath



**STANDARD**  
NFC 32-322

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Bu kablolar, sabit tesisler için doğrudan gömülü olarak, kablo kanallarında, iç mekanlarda, açık havada veya suda bulunurlar. Mekanik hasarların beklenebileceği bir ortamda özel olarak kullanılırlar.

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

These cables are suitable for fixed installations, directly buried, in cable ducts, indoors, outdoors, or in water. They are specially used in an environment where mechanical damages could be expected.

90°C

Max. işletme sıcaklığı  
Max. Operating temperature

250°C

Kısa devre sıcaklığı  
Max. short Circuit temperature



Test Gerilimi  
(AC) 4 kV  
Test Voltage  
(AC) 4 kV



Aleve dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Örgülü  
Stranded



Som  
Solid



Serim sıcaklığı  
minimum 5°C  
Installation temperature  
min 5°C



Dağıtım panoları  
Distribution panels



Boru içinde  
In conduit



Açıkta  
Outdoor



Beton içinde  
In concrete



Toprak altında  
Direct buried



Endüstriyel tesisat  
Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

# U-1000 RVFV

### U-1000 RVFV (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
2 x 10	17.00	86	104	1.8300	480	1000	R 1000
2 x 16	19.00	115	136	1.1500	685	1000	R 1100
2 x 25	23.00	149	173	0.7270	1030	1000	R 1300
2 x 35	25.00	185	208	0.5240	1370	1000	R 1400
3 x 10	19.00	75	87	1.8300	595	1000	R 1100
3 x 16	21.00	100	113	1.1500	820	1000	R 1100
3 x 25	24.00	127	144	0.7270	1220	1000	R 1300
3 x 35	26.00	158	174	0.5240	1615	1000	R 1400
3 x 50	30.00	192	206	0.3870	2250	1000	R 1500
3 x 70	37.50	246	254	0.2680	2800	1000	R 1700
3 x 95	43.50	298	301	0.1980	4380	500	R 1500
3 x 120	47.50	345	343	0.1530	5200	500	R 1500
3 x 150	53.00	399	387	0.1240	6300	500	R 1600
3 x 185	58.00	456	434	0.0991	7600	250	R 1500
3 x 240	65.50	598	501	0.0754	9600	250	R 1500
4 x 10	20.50	75	87	1.8300	710	1000	R 1100
4 x 16	22.00	100	113	1.1500	1050	1000	R 1200
4 x 25	26.00	127	144	0.7270	1510	1000	R 1400
4 x 35	28.00	158	174	0.5240	2010	1000	R 1500
4 x 50	32.00	192	206	0.3870	2600	1000	R 1600
4 x 70	39.00	246	254	0.2680	4000	500	R 1500
4 x 95	42.00	298	301	0.1980	5100	500	R 1500
4 x 120	47.00	346	343	0.1530	6700	500	R 1600
4 x 150	52.00	395	387	0.1240	8164	250	R 1500
4 x 185	55.00	456	434	0.0991	9520	250	R 1500
4 x 240	64.00	538	501	0.0754	12500	250	R 1700
5 x 10	21.00	75	87	1.8300	950	1000	R 1100
5 x 16	22.00	100	113	1.1500	1100	1000	R 1300
5 x 25	29.00	127	144	0.7270	1970	1000	R 1500
3 x 35+16	28.00	158	174	0.524/1.150	1740	1000	R 1400
3 x 35+25	29.00	158	174	0.524/0.727	2010	1000	R 1400
3 x 50+25	31.00	192	206	0.387/0.727	2470	1000	R 1500
3 x 50+35	32.00	192	206	0.387/0.524	2500	1000	R 1500
3 x 70+35	36.00	246	254	0.268/0.524	3200	1000	R 1600
3 x 70+50	36.00	246	254	0.268/0.387	3400	1000	R 1600
3 x 95+50	41.00	298	301	0.193/0.387	4750	500	R 1500
3 x 120+70	46.00	346	343	0.153/0.268	5800	500	R 1500
3 x 150+70	50.00	399	387	0.124/0.268	9950	500	R 1600
3 x 185+70	53.00	456	434	0.0991/0.268	8240	250	R 1500
3 x 185+95	53.00	456	434	0.0991/0.193	8540	250	R 1500
3 x 240+95	62.00	538	501	0.754/0.193	10500	250	R 1600

## 0.6 / 1 kV XLPE İzoleli Yuvarlak Çelik Tel Zırhlı Güç Kabloları 0.6 / 1 kV XLPE insulated Round Steel Wire Armoured Power Cables

### YXZ2V / N2XRY



- 1) Som veya Örgülü Rijit Bakır  
Solid or Stranded Rigid Copper
- 2) XLPE İzole  
XLPE Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) Galvanizli Yuvarlak Çelik Tel  
Galvanized Steel Wire Armoured
- 5) PVC Dış Kılıf  
PVC Outer Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
TS IEC 60502-1

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Dielektrik kayıpları çok düşük olan bu kablolar güç merkezlerinde, şalt ve endüstri tesislerinde, yerel enerji dağıtımında güç kablosu olarak, mekanik hasar riskinin yüksek olduğu yerlerde hariçte, dahilde toprak altında veya kablo kanallarında kullanılır.

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

These cables with low dielectric losses are used as a power cable at local energy distribution, in power stations, switchgears and industrial plants, used in places where mechanical damage risk is high, outdoors, indoors, underground or in cable ducts.



Max. işletme sıcaklığı  
Max. Operating temperature



Kısa devre sıcaklığı  
Max. short Circuit temperature



Test Gerilimi  
(AC) 4 kV  
Test Voltage  
(AC) 4 kV



Alev dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Örgülü  
Stranded



Som  
Solid



Serim sıcaklığı  
minimum 5°C  
Installation temperature  
min 5°C



Dağıtım panoları  
Distribution panels



Boru içinde  
In conduit



Açıkta  
Outdoor



Beton içinde  
In concrete



Toprak altında  
Direct buried



Endüstriyel tesisat  
Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## YXZ2V / N2XRY

### YXZ2V / N2XRY (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
1X10 rm	13.63	77	89	1.83	339	1000	R 900
1X16 rm	14.64	102	115	1.15	419	1000	R 900
1X25 rm	17.27	138	148	0.727	659	1000	R 1000
1X35 rm	18.33	170	177	0.524	785	1000	R 1100
1X50 rm	19.84	207	209	0.387	947	1000	R 1100
1X70 rm	22.42	263	256	0.268	1332	1000	R 1200
1X95 rm	24.23	325	307	0.198	1634	1000	R 1300
1X120 rm	25.65	380	349	0.153	1926	1000	R 1400
1X150 rm	27.70	437	393	0.124	2288	1000	R 1500
1X185 rm	30.35	507	445	0.0991	2784	1000	R 1500
1X240 rm	34.08	604	517	0.0754	3686	1000	R 1700
1X300 rm	37.10	697	663	0.0601	4355	500	R 1400
2X1.5 re	13.88	24	31	12.1	338	1000	R 900
2X2.5 re	14.69	32	40	7.41	386	1000	R 1000
2X4 re	16.51	42	52	4.61	544	1000	R 1000
2X6 re	17.52	53	64	3.08	633	1000	R 1100
2X10 rm	18.22	74	86	1.83	663	1000	R 1100
2X16 rm	19.84	98	112	1.15	819	1000	R 1100
2X25 rm	22.57	133	145	0.727	1149	1000	R 1200
2X35 rm	26.00	162	174	0.524	1543	1000	R 1400
3X1.5 re	14.33	24	31	12.1	366	1000	R 900
3X2.5 re	15.20	32	40	7.41	423	1000	R 1000
3X4 re	17.09	42	52	4.61	607	1000	R 1000
3X6 re	18.18	53	64	3.08	703	1000	R 1100
3X10 rm	20.69	74	86	1.83	944	1000	R 1100
3X16 rm	23.58	98	112	1.15	1326	1000	R 1300
3X25 rm	27.34	133	145	0.727	1803	1000	R 1500
3X35 rm	29.80	162	174	0.524	2220	1000	R 1500
3X50 rm	34.16	197	206	0.387	2991	1000	R 1700
3X70 rm	38.48	250	254	0.268	3857	1000	R 1800
3X95 rm	43.76	308	305	0.198	6673	500	R 1500
3X120 rm	47.03	359	348	0.153	7921	500	R 1600
3X150 rm	51.58	412	392	0.124	9655	250	R 1500
3X185 rm	57.30	475	444	0.0991	11985	250	R 1500
3X240 rm	63.49	564	517	0.0754	15092	250	R 1600

## 0.6 / 1 kV XLPE İzoleli Yuvarlak Çelik Tel Zirhli Güç Kabloları 0.6 / 1 kV XLPE insulated Round Steel Wire Armoured Power Cables

### YXZ2V / N2XRY



- 1) Som veya Örgülü Rijit Bakır  
Solid or Stranded Rigid Copper
- 2) XLPE İzole  
XLPE Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) Galvanizli Yuvarlak Çelik Tel  
Galvanized Steel Wire Armoured
- 5) PVC Dış Kılıf  
PVC Outer Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
TS IEC 60502-1

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Dielektrik kayıpları çok düşük olan bu kablolar güç merkezlerinde, şalt ve endüstri tesislerinde, yerel enerji dağıtımında güç kablosu olarak, mekanik hasar riskinin yüksek olduğu yerlerde hariçte, dahilde toprak altında veya kablo kanallarında kullanılır.

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

These cables with low dielectric losses are used as a power cable at local energy distribution, in power stations, switchgears and industrial plants, used in places where mechanical damage risk is high, outdoors, indoors, underground or in cable ducts.



## TEKNİK ÖZELLİKLER TECHNICAL DATA

## YXZ2V / N2XRY

### YXZ2V / N2XRY (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kagal/Coil R: Makara/Reel
4X1.5 re	15.96	24	31	12.1	498	1000	R 1000
4X2.5 re	16.94	32	40	7.41	573	1000	R 1000
4X4 re	18.03	42	52	4.61	681	1000	R 1100
4X6 re	19.26	53	64	3.08	805	1000	R 1100
4X10 rm	22.77	74	86	1.83	1196	1000	R 1300
4X16 rm	25.22	98	112	1.15	1545	1000	R 1400
4X25 rm	30.44	133	145	0.727	2342	1000	R 1500
4X35 rm	33.19	162	174	0.524	2873	1000	R 1600
4X50 rm	37.11	197	206	0.387	3580	1000	R 1800
4X70 rm	42.6	250	254	0.268	4912	500	R 1500
4X95 rm	47.74	308	305	0.198	6398	500	R 1600
4X120 rm	51.4	359	348	0.153	7649	500	R 1700
4X150 rm	56.5	412	392	0.124	9123	250	R 1500
4X185 rm	62.91	475	444	0.0991	11211	250	R 1600
4X240 rm	69.84	564	517	0.0754	14025	250	R 1700
5x1.5 re	16.7	24	31	12.1	550	1000	R 1000
5x2.5 re	17.8	32	40	7.41	650	1000	R 1000
5x4 re	19.1	42	52	4.61	770	1000	R 1100
5x6 re	20.4	53	64	3.08	920	1000	R 1100
5x10 rm	24	74	86	1.83	1370	1000	R 1200
5x16 rm	26.7	98	112	1.15	1790	1000	R 1500
5x25 rm	31.7	133	145	0.727	2510	1000	R 1500
5x35 rm	35.6	162	174	0.524	3360	1000	R 1700
5x50 rm	40	197	206	0.387	4230	1000	R 1800
5x70 rm	46.5	250	254	0.268	6000	500	R 1600
5x95 rm	51.7	308	305	0.198	7650	500	R 1700
5x120 rm	55.8	359	348	0.153	9170	500	R 1700
5x150 rm	61.5	412	392	0.124	10990	250	R 1500
5x185 rm	68.5	475	444	0.0991	13420	250	R 1600
5x240 rm	77.65	564	517	0.0754	17780	250	R 1800
3X16+10 rm	24.73	98	112	1.15/1.83	1452	1000	R 1400
3X25+16 rm	28.64	133	145	0.727/1.15	1981	1000	R 1500
3X35+16 rm	30.72	162	174	0.524/1.15	2362	1000	R 1500
3X50+25 rm	35.69	197	206	0.387/0.727	3268	1000	R 1700
3X70+35 rm	40.46	250	254	0.268/0.524	4376	500	R 1500
3X95+50 rm	45.69	308	305	0.193/0.387	5793	500	R 1600
3X120+70 rm	49.69	359	348	0.153/0.268	6995	500	R 1700
3X150+70 rm	53.55	412	392	0.124/0.268	8138	500	R 1800
3X185+95 rm	59.81	475	444	0.0991/0.193	10064	250	R 1500
3X240+120 rm	66.1	564	517	0.754/0.153	12501	250	R 1700

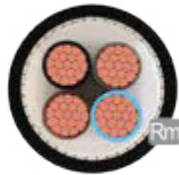
## 0.6 / 1 kV XLPE İzoleli Yassı Çelik Tel Zırhlı Güç Kabloları 0.6 / 1 kV XLPE insulated Flat Steel Wire Armoured Power Cables

### YXZ3V / N2XFGbY



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) XLPE izole  
XLPE Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) Galvanizli Yassı Çelik Tel  
Galvanized Flat Steel Wire
- 5) Galvanizli Çelik Tutucu Bant  
Galvanized Steel Holder Band
- 6) PVC Dış Kılıf  
PVC Outer Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Tellli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
TS IEC 60502-1

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Dielektrik kayıpları çok düşük olan bu kablolar güç merkezlerinde, şalt ve endüstri tesislerinde, yerel enerji dağıtımında güç kablosu olarak, mekanik hasar riskinin yüksek olduğu yerlerde hariçte, dahilde toprak altında veya kablo kanallarında kullanılır.

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

These cables with low dielectric losses are used as a power cable at local energy distribution, in power stations, switchgears and industrial plants, used in places where mechanical damage risk is high, outdoors, indoors, underground or in cable ducts.

Max. işletme sıcaklığı Max. Operating temperature	Kısa devre sıcaklığı Max. short Circuit temperature	Test Gerilimi (AC) 4 kV Test Voltage (AC) 4 kV	Aleve dayanıklılık Flame retardant IEC 60332-1	Kurşunsuz Lead-free	Örgülü Stranded	Som Solid
Serim sıcaklığı minimum 5°C Installation temperature min 5°C	Dağıtım panoları Distribution panels	Boru içinde In conduit	Açıkta Outdoor	Beton içinde In concrete	Toprak altında Direct buried	Endüstriyel tesisat Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## YXZ3V / N2XFGbY

### YXZ3V / N2XFGbY (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
1X10 rm	13.20	77	89	1.83	388	1000	R 800
1X16 rm	14.22	102	115	1.15	484	1000	R 900
1X25 rm	15.95	138	148	0.727	626	1000	R 1000
1X35 rm	17.02	170	177	0.524	755	1000	R 1000
1X50 rm	18.55	207	209	0.387	918	1000	R 1100
1X70 rm	20.44	263	256	0.268	1196	1000	R 1100
1X95 rm	22.27	325	307	0.198	1487	1000	R 1200
1X120 rm	23.70	380	349	0.153	1758	1000	R 1300
1X150 rm	25.69	437	393	0.124	2099	1000	R 1400
1X185 rm	28.31	507	445	0.0991	2557	1000	R 1500
1X240 rm	31.15	604	517	0.0754	3186	1000	R 1500
1X300 rm	33.50	697	663	0.0601	3737	1000	R 1600
2X10 rm	18.55	74	86	1.83	751	1000	R 1100
2X16 rm	20.59	98	112	1.15	973	1000	R 1100
2X25 rm	24.06	133	145	0.727	1344	1000	R 1300
2X35 rm	26.20	162	174	0.524	1624	1000	R 1400
3X10 rm	19.41	74	86	1.83	873	1000	R 1100
3X16 rm	21.61	98	112	1.15	1144	1000	R 1100
3X25 rm	25.36	133	145	0.727	1593	1000	R 1400
3X35 rm	27.75	162	174	0.524	1958	1000	R 1500
3X50 rm	31.29	197	206	0.387	2504	1000	R 1500
3X70 rm	36.09	250	254	0.268	3386	1000	R 1700
3X95 rm	40.33	308	305	0.198	4365	500	R 1500
3X120 rm	43.63	359	348	0.153	5277	500	R 1700
3X150 rm	48.66	412	392	0.124	6430	500	R 1700
3X185 rm	54.44	475	444	0.0991	7986	250	R 1500
3X240 rm	61.01	564	517	0.0754	10130	250	R 1500

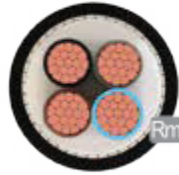
## 0.6 / 1 kV XLPE İzoleli Yassı Çelik Tel Zırhlı Güç Kabloları 0.6 / 1 kV XLPE insulated Flat Steel Wire Armoured Power Cables

### YXZ3V / N2XFGbY



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) XLPE izole  
XLPE Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) Galvanizli Yassı Çelik Tel  
Galvanized Flat Steel Wire
- 5) Galvanizli Çelik Tutucu Bant  
Galvanized Steel Holder Band
- 6) PVC Dış Kılıf  
PVC Outer Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
TS IEC 60502-1

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Dielektrik kayıpları çok düşük olan bu kablolar güç merkezlerinde, şalt ve endüstri tesislerinde, yerel enerji dağıtımında güç kablosu olarak, mekanik hasar riskinin yüksek olduğu yerlerde hariçte, dahilde toprak altında veya kablo kanallarında kullanılır.

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

These cables with low dielectric losses are used as a power cable at local energy distribution, in power stations, switchgears and industrial plants, used in places where mechanical damage risk is high, outdoors, indoors, underground or in cable ducts.

 Max. işletme sıcaklığı Max. Operating temperature	 Kısa devre sıcaklığı Max. short Circuit temperature	 Test Gerilimi (AC) 4 kV Test Voltage (AC) 4 kV	 Alev dayanıklılık Flame retardant IEC 60332-1	 Kurşunsuz Lead-free	 Örgülü Stranded	 Som Solid
 Serim sıcaklığı minimum 5°C Installation temperature min 5°C	 Dağıtım panoları Distribution panels	 Boru içinde In conduit	 Açıkta Outdoor	 Beton içinde In concrete	 Toprak altında Direct buried	 Endüstriyel tesisat Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## YXZ3V / N2XFGbY

### YXZ3V / N2XFGbY (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel

4X10 rm	20.8	74	86	1.83	1016	1000	R 1100
4X16 rm	23.27	98	112	1.15	1343	1000	R 1300
4X25 rm	27.53	133	145	0.727	1890	1000	R 1500
4X35 rm	30.31	162	174	0.524	2377	1000	R 1500
4X50 rm	34.71	197	206	0.387	3082	1000	R 1700
4X70 rm	39.59	250	254	0.268	4165	1000	R 1800
4X95 rm	44.35	308	305	0.198	5393	500	R 1500
4X120 rm	48.48	359	348	0.153	6589	500	R 1700
4X150 rm	53.63	412	392	0.124	7996	500	R 1800
4X185 rm	60.54	475	444	0.0991	9998	250	R 1500
4X240 rm	67.41	564	517	0.0754	12659	250	R 1700
5x1.5 re	15.5	24	31	12.1	490	1000	R 900
5x2.5 re	16.6	32	40	7.41	580	1000	R 1000
5x4 re	17.8	42	52	4.61	710	1000	R 1000
5x6 re	19.2	53	64	3.08	850	1000	R 1100
5x10 rm	22.4	74	86	1.83	1160	1000	R 1200
5x16 rm	25.1	98	112	1.15	1550	1000	R 1300
5x25 rm	30	133	145	0.727	2230	1000	R 1500
5x35 rm	33.1	162	174	0.524	2820	1000	R 1600
5x50 rm	38	197	206	0.387	3690	1000	R 1700
5x70 rm	43.5	250	254	0.268	5000	500	R 1500
5x95 rm	49.3	308	305	0.198	6580	500	R 1600
5x120 rm	53.4	359	348	0.153	8010	500	R 1800
5x150 rm	59.65	412	392	0.124	9760	250	R 1500
5x185 rm	66.7	475	444	0.0991	12030	250	R 1600
5x240 rm	75	564	517	0.0754	15450	250	R 1700
3X16+10 rm	22.69	98	112	1.15/1.83	1242	1000	R 1200
3X25+16 rm	26.46	133	145	0.727/1.15	1738	1000	R 1400
3X35+16 rm	28.54	162	174	0.524/1.15	2111	1000	R 1500
3X50+25 rm	32.63	197	206	0.387/0.727	2760	1000	R 1600
3X70+35 rm	37.43	250	254	0.268/0.524	3719	1000	R 1800
3X95+50 rm	41.98	308	305	0.193/0.387	4843	500	R 1500
3X120+70 rm	46.41	359	348	0.153/0.268	6034	500	R 1600
3X150+70 rm	50.28	412	392	0.124/0.268	7053	500	R 1700
3X185+95 rm	56.32	475	444	0.0991/0.193	8842	250	R 1500
3X240+120 rm	62.83	564	517	0.754/0.153	11207	250	R 1600

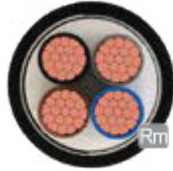
## 0.6 / 1 kV XLPE İzoleli Çift Çelik Bant Zırhlı Güç Kabloları 0.6 / 1 kV XLPE insulated Double Steel Tape Armoured Power Cables

### YXZ4V / N2XBY



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) XLPE İzole  
XLPE Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) Galvanizli Çift Çelik Bant  
Galvanized Double Steel Tape
- 5) PVC Kılıf  
PVC Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
TS IEC 60502-1

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Dielektrik kayıpları çok düşük olan bu kablolar güç merkezlerinde, şalt ve endüstri tesislerinde, yerel enerji dağıtımında güç kablosu olarak, mekanik hasar riskinin yüksek olduğu yerlerde hariçte, dahilde toprak altında veya kablo kanallarında kullanılır. Zırhlı yapısı sayesinde dışarıdan gelebilecek darbelere karşı dayanıklıdır.

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

These cables with low dielectric losses are used as a power cable at local energy distribution, in power stations, switchgears and industrial plants, used in places where mechanical damage risk is high, outdoors, indoors, underground or in cable ducts. Due to having galvanized double steel wire armour, they conform to heavy installation and mounting conditions.



## TEKNİK ÖZELLİKLER TECHNICAL DATA

## YXZ4V / N2XBY

### YXZ4V / N2XBY (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel

1X10 rm	11.89	77	89	1.83	321	1000	R 800
1X16 rm	12.92	102	115	1.15	398	1000	R 800
1X25 rm	14.67	138	148	0.727	533	1000	R 900
1X35 rm	15.75	170	177	0.524	654	1000	R 1000
1X50 rm	17.30	207	209	0.387	803	1000	R 1000
1X70 rm	19.20	263	256	0.268	1052	1000	R 1100
1X95 rm	21.06	325	307	0.198	1358	1000	R 1100
1X120 rm	22.50	380	349	0.153	1615	1000	R 1200
1X150 rm	24.51	437	393	0.124	1928	1000	R 1400
1X185 rm	27.07	507	445	0.0991	2375	1000	R 1500
1X240 rm	29.94	604	517	0.0754	3008	1000	R 1500
1X300 rm	33.52	697	663	0.0601	3609	1000	R 1600
2X10 rm	17.30	74	86	1.83	662	1000	R 1000
2X16 rm	19.36	98	112	1.15	848	1000	R 1100
2X25 rm	22.86	133	145	0.727	1189	1000	R 1300
2X35 rm	25.02	162	174	0.524	1489	1000	R 1400
3X10 rm	18.16	74	86	1.83	776	1000	R 1100
3X16 rm	20.39	98	112	1.15	1014	1000	R 1100
3X25 rm	24.17	133	145	0.727	1442	1000	R 1300
3X35 rm	26.51	162	174	0.524	1835	1000	R 1400
3X50 rm	30.08	197	206	0.387	2332	1000	R 1500
3X70 rm	36.25	250	254	0.268	3717	1000	R 1700
3X95 rm	40.53	308	305	0.198	4843	500	R 1500
3X120 rm	43.87	359	348	0.153	5807	500	R 1500
3X150 rm	48.95	412	392	0.124	6967	500	R 1600
3X185 rm	54.78	475	444	0.0991	8685	250	R 1500
3X240 rm	61.41	564	517	0.0754	10959	250	R 1500

## 0.6 / 1 kV XLPE İzoleli Çift Çelik Bant Zırhlı Güç Kabloları 0.6 / 1 kV XLPE insulated Double Steel Tape Armoured Power Cables

### YXZ4V / N2XBY



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) XLPE İzole  
XLPE Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) Galvanizli Çift Çelik Bant  
Galvanized Double Steel Tape
- 5) PVC Kılıf  
PVC Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Tellli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
TS IEC 60502-1

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Dielektrik kayıpları çok düşük olan bu kablolar güç merkezlerinde, şalt ve endüstri tesislerinde, yerel enerji dağıtımında güç kablosu olarak, mekanik hasar riskinin yüksek olduğu yerlerde hariçte, dahilde toprak altında veya kablo kanallarında kullanılır. Zırhlı yapısı sayesinde dışarıdan gelebilecek darbelerle karşı dayanıklıdır.

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

These cables with low dielectric losses are used as a power cable at local energy distribution, in power stations, switchgears and industrial plants, used in places where mechanical damage risk is high, outdoors, indoors, underground or in cable ducts. Due to having galvanized double steel wire armour, they conform to heavy installation and mounting conditions.

 Max. işletme sıcaklığı Max. Operating temperature	 Kısa devre sıcaklığı Max. short Circuit temperature	 Test Gerilimi (AC) 4 kV Test Voltage (AC) 4 kV	 Alev dayanıklılık Flame retardant IEC 60332-1	 Kurşunsuz Lead-free	 Örgülü Stranded	 Som Solid
 Serim sıcaklığı minimum 5°C Installation temperature min 5°C	 Dağıtım panoları Distribution panels	 Boru içinde In conduit	 Açıkta Outdoor	 Beton içinde In concrete	 Toprak altında Direct buried	 Endüstriyel tesisat Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## YXZ4V / N2XBY

### YXZ4V / N2XBY (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
4X10 rm	21.08	74	86	1.83	921	1000	R 1100
4X16 rm	22.06	98	112	1.15	1219	1000	R 1200
4X25 rm	26.30	133	145	0.727	1757	1000	R 1400
4X35 rm	29.09	162	174	0.524	2255	1000	R 1500
4X50 rm	33.53	197	206	0.387	2921	1000	R 1600
4X70 rm	39.79	250	254	0.268	4544	500	R 1500
4X95 rm	44.59	308	305	0.198	6016	500	R 1500
4X120 rm	48.76	359	348	0.153	7172	500	R 1600
4X150 rm	53.96	412	392	0.124	8630	250	R 1500
4X185 rm	60.94	475	444	0.0991	10777	250	R 1500
4X240 rm	67.87	564	517	0.0754	13651	250	R 1700
5 x 10	21.08	74	86	1.83	1090	1000	R 1100
5 x 16	23.87	98	112	1.15	1453	1000	R 1300
5 x 25	28.74	133	145	0.727	2154	1000	R 1500
5 x 35	31.87	162	174	0.524	2817	1000	R 1600
5 x 50	38.09	197	206	0.387	4146	500	R 1400
5 x 70	43.60	250	254	0.268	5614	500	R 1500
5 x 95	49.40	308	305	0.198	7379	250	R 1400
5 x 120	53.56	359	348	0.153	8827	250	R 1500
5 x 150	59.81	412	392	0.124	10729	250	R 1500
5 x 185	67.10	475	444	0.0991	13334	250	R 1700
5 x 240	75.27	564	517	0.0754	17030	250	R 1800
3X16+10 rm	23.00	98	112	1.15/1.83	1132	1000	R 1300
3X25+16 rm	25.00	133	145	0.727/1.15	1604	1000	R 1400
3X35+16 rm	26.70	162	174	0.524/1.15	1971	1000	R 1400
3X50+25 rm	30.50	197	206	0.387/0.727	2623	1000	R 1500
3X70+35 rm	34.70	250	254	0.268/0.524	3525	1000	R 1600
3X95+50 rm	39.50	308	305	0.193/0.387	4854	500	R 1500
3X120+70 rm	44.50	359	348	0.153/0.268	6050	500	R 1500
3X150+70 rm	48.50	412	392	0.124/0.268	7159	500	R 1600
3X185+95 rm	53.50	475	444	0.0991/0.193	8900	250	R 1500
3X240+120 rm	61.00	564	517	0.754/0.153	11750	250	R 1600

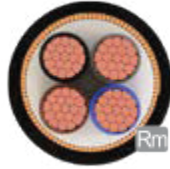
## 0.6 / 1 kV XLPE İzoleli Konsantrik İletkenli Güç Kabloları 0.6 / 1 kV XLPE Insulated Concentric Conductors Power Cables

### YXCV / N2XCY



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) XLPE İzole  
XLPE Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) Konsantrik Bakır İletken  
Concentric Copper Conductors
- 5) Bakır Bant  
Copper Tape
- 6) PVC Kılıf  
PVC Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
TS IEC 60502-1

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Şehir şebekeleri, cadde aydınlatmaları ve ev bağlantılarında tercihen toprak altında kullanılır. Darbe sonrası hasar görmesi durumunda hat sigortası açılarak devre güvenliği sağlanır.

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

Preferably used underground in mains, street lightings and house connections. In case of physical damage provide the circuit safety by turning off line circuit breaker.

90°C

Max. işletme sıcaklığı  
Max. Operating temperature

250°C

Kısa devre sıcaklığı  
Max. short Circuit temperature



Test Gerilimi  
(AC) 4 kV  
Test Voltage  
(AC) 4 kV



Aleve dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Örgülü  
Stranded



Som  
Solid



Serim sıcaklığı  
minimum 5°C  
Installation temperature  
min 5°C



Dağıtım panoları  
Distribution panels



Boru içinde  
In conduit



Açıkta  
Outdoor



Beton içinde  
In concrete



Toprak altında  
Direct buried



Endüstriyel tesisat  
Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## YXCV / N2XCY

### N2XCY (0.6/1kV)

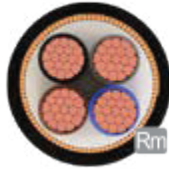
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
2X1.5/1.5	13.7	24	31	12.1	237	1000	R 900
2X2.5/2.5	14.81	32	40	7.41	288	1000	R 1000
2X4/4	16.87	42	52	4.61	384	1000	R 1000
2X6/6	18.25	53	64	3.08	470	1000	R 1100
2X10/10	19.98	74	86	1.83	609	1000	R 1100
2X16/16	22.59	98	112	1.15	831	1000	R 1200
2X25/16	26.12	133	145	0.727	1135	1000	R 1400
2X35/16	28.37	162	174	0.524	1398	1000	R 1500
3X1.5/1.5	13.74	24	31	12.1	262	1000	R 900
3X2.5/2.5	14.92	32	40	7.41	322	1000	R 1000
3X4/4	16.24	42	52	4.61	436	1000	R 1000
3X6/6	17.70	53	64	3.08	540	1000	R 1100
3X10/10	20.83	74	86	1.83	712	1000	R 1100
3X16/16	23.59	98	112	1.15	984	1000	R 1300
3X25/16	27.47	133	145	0.727	1377	1000	R 1500
3X35/16	29.93	162	174	0.524	1725	1000	R 1500
3X50/25	32.58	197	206	0.387	2275	1000	R 1600
3X70/35	37.40	250	254	0.268	3149	1000	R 1800
3X95/50	42.12	308	305	0.198	4170	500	R 1500
3X120/70	46.17	359	348	0.153	5216	500	R 1600
3X150/70	50.72	412	392	0.124	6268	500	R 1700
3X185/95	57.24	475	444	0.0991	7968	250	R 1500
3X240/120	64.02	564	517	0.0754	10219	250	R 1600
3X300/150	71.28	649	585	0.0754	12533	250	R 1700

## YXCV / N2XCY



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) XLPE İzole  
XLPE Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) Konsantrik Bakır İletken  
Concentric Copper Conductors
- 5) Bakır Bant  
Copper Tape
- 6) PVC Kılıf  
PVC Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Tellİ Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
TS IEC 60502-1

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

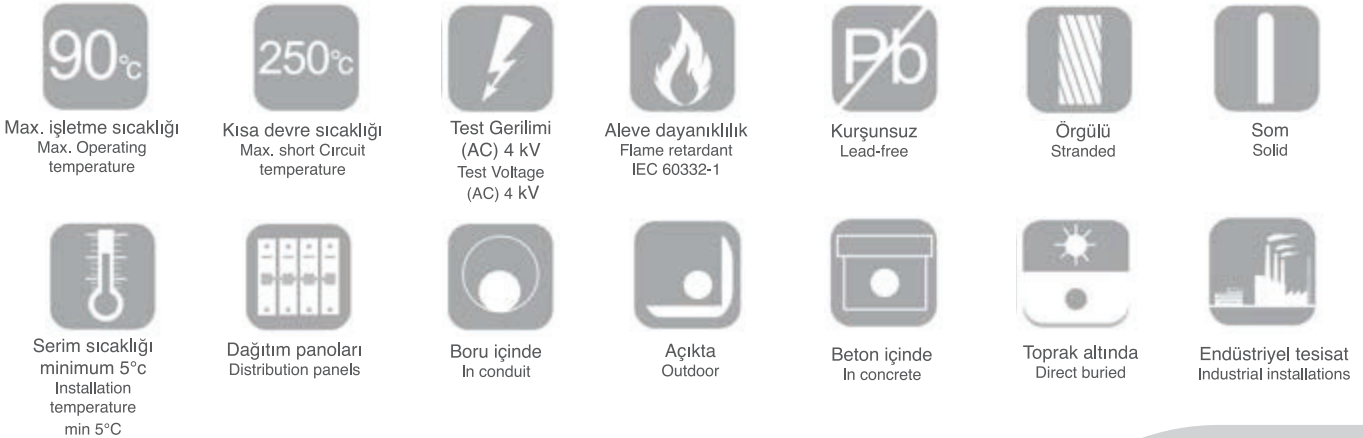
Şehir şebekeleri, cadde aydınlatmaları ve ev bağlantılarında tercihen toprak altında kullanılır. Darbe sonrası hasar görmesi durumunda hat sigortası açılarak devre güvenliği sağlanır.

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

Preferably used underground in mains, street lightings and house connections. In case of physical damage provide the circuit safety by turning off line circuit breaker.



## TEKNİK ÖZELLİKLER TECHNICAL DATA

## YXCV / N2XCY

### N2XCY (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
4X1.5/1.5	14.46	24	31	12.10	298	1000	R 1000
4X2.5/2.5	15.74	32	40	7.41	370	1000	R 1000
4X4/4	17.19	42	52	4.61	507	1000	R 1100
4X6/6	18.77	53	64	3.08	633	1000	R 1100
4X10/10	22.21	74	86	1.83	842	1000	R 1200
4X16/16	25.22	98	112	1.15	1174	1000	R 1400
4X25/16	29.71	133	145	0.727	1682	1000	R 1500
4X35/16	32.45	162	174	0.524	2129	1000	R 1600
4X50/25	35.53	197	206	0.387	2812	1000	R 1700
4X70/35	40.87	250	254	0.268	3911	500	R 1500
4X95/50	46.10	308	305	0.198	5198	500	R 1600
4X120/70	50.54	359	348	0.153	6496	500	R 1700
4X150/70	55.64	412	392	0.124	7849	500	R 1800
4X185/95	62.84	475	444	0.0991	9969	250	R 1600
4X240/120	70.36	564	517	0.0754	12810	250	R 1700
4X300/150	78.41	649	585	0.0601	15725	250	R 1800
5X1.5/1.5	15.240	24	31	12.10	338	1000	R 1000
5X2.5/2.5	16.634	32	40	7.41	423	1000	R 1000
5X4/4	18.205	42	52	4.61	583	1000	R 1100
5X6/6	19.932	53	64	3.08	736	1000	R 1100
5X10/10	23.69	74	86	1.83	983	1000	R 1300
5X16/16	27.01	98	112	1.15	1380	1000	R 1500
5X25/16	32.11	133	145	0.727	2011	1000	R 1600
5X35/16	35.18	162	174	0.524	2566	1000	R 1700
5X50/25	38.71	197	206	0.387	3391	1000	R 1800
5X70/35	44.61	250	254	0.268	4732	500	R 1500
5X95/50	50.38	308	305	0.198	6305	500	R 1700
5X120/70	55.24	359	348	0.153	7861	250	R 1500
5X150/70	60.93	412	392	0.124	9540	250	R 1500
5X185/95	68.88	475	444	0.0991	12123	250	R 1700
5X240/120	77.18	564	517	0.0754	15595	250	R 1800

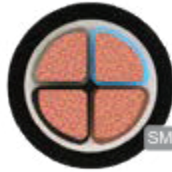
## 0.6 / 1 kV XLPE İzoleli Sektör Kesitli Güç Kabloları 0.6 / 1 kV XLPE Insulated Sectoral Conductor Power Cables

### N2XY (SM)



- 1) Sektör Kesitli Bakır İletken  
Multi Wire Sectoral Conductor
- 2) XLPE İzole  
XLPE Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) PVC Kılıf  
PVC Sheath

SM : Sektör Kesitli Çoklu Bakır iletken  
SM : Multi Wire Sectoral Conductor



#### STANDARD

VDE 0276-603

#### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 0.6/1kV

#### KULLANIM ALANLARI

Bina içinde ve endüstriyel fabrika yada mekanik hasar beklenmeyen dağıtım merkezlerinde ani yük değişimlerinin olduğu tesislerde. yüksek çalışma sıcaklıklarında kullanılmaya uygundur. Kısa süreli ani sıcaklık artışlarına dayanıklıdır. PVC 'ye oranla yüksek elektrik yalıtımına sahiptir.

#### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD
Rated Voltage	: 0.6/1kV

#### USAGE AREAS

Suitable for using indoor and industrial factory or the distribution centers where mechanical damage is not expected. in plants in which sudden load fluctuations occur and in high operating temperature. Strong against sudden temperature rises. Have higher electrical insulation than PVC.



Max. işletme sıcaklığı  
Max. Operating temperature



Kısa devre sıcaklığı  
Max. short Circuit temperature



Test Gerilimi  
(AC) 4 kV  
Test Voltage  
(AC) 4 kV



Aleve dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Sektör kesit  
Sector



Serim sıcaklığı  
minimum 5°C  
Installation temperature  
min 5°C



Boru içinde  
In conduit



Açıkta  
Outdoor



Beton içinde  
In concrete



Toprak altında  
Direct buried



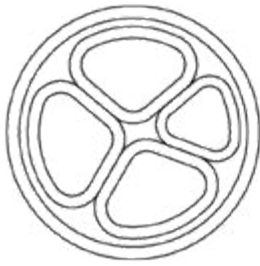
Endüstriyel tesisat  
Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## N2XY (SM)

### N2XY (SM) (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
3X50 SM	22.75	197	206	0.387	1479	1000	R 1300
3X70 SM	26.15	250	254	0.268	2093	1000	R 1500
3X95 SM	28.65	308	305	0.198	2799	1000	R 1500
3X120 SM	31.75	359	348	0.153	3505	500	R 1300
3X150 SM	35.55	412	392	0.124	4328	500	R 1400
3X185 SM	39.45	475	444	0.0991	5449	500	R 1500
3X240 SM	44.25	564	517	0.0754	7086	500	R 1600
4X50 SM	25.05	197	206	0.387	1908	1000	R 1400
4X70 SM	29.15	250	254	0.268	2728	1000	R 1500
4X95 SM	33.05	308	305	0.198	3709	500	R 1300
4X120 SM	36.65	359	348	0.153	4647	500	R 1400
4X150 SM	40.65	412	392	0.124	5734	500	R 1500
4X185 SM	45.25	475	444	0.0991	7224	500	R 1600
4X240 SM	50.45	564	517	0.0754	9393	250	R 1500
3x50 SM/25 RM	26.15	197	206	0.387/0.727	1718	1000	R 1500
3x70 SM/35 SM	27.85	250	254	0.268/0.524	2409	1000	R 1500
3x95 SM/50 SM	31.65	308	305	0.193/0.387	3270	500	R 1300
3x120 SM/70 SM	37.35	359	348	0.153/0.268	4208	500	R 1500
3x150 SM/70 SM	39.55	412	392	0.124/0.268	5015	500	R 1500
3x185 SM/95 SM	43.75	475	444	0.0991/0.193	6371	500	R 1700
3x240 SM/ 120 SM	49.15	564	517	0.754/0.153	8250	250	R 1500



$$\alpha = 100^\circ + 60^\circ$$



$$\alpha = 100^\circ + \emptyset$$



$$\alpha = 90^\circ$$



$$\alpha = 120^\circ$$

## N2XRY (SM)



- 1) Sektör Kesitli Bakır İletken  
Multi Wire Sectoral Conductor
- 2) XLPE İzole  
XLPE Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) PVC Kılıf  
PVC Sheath

SM : Sektör Kesitli Çoklu Bakır İletken  
SM : Multi Wire Sectoral Conductor



### STANDARD

VDE 0276-603

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Bina içinde ve endüstriyel fabrika yada mekanik hasar beklenmeyen dağıtım merkezlerinde ani yük değişimlerinin olduğu tesislerde yüksek çalışma sıcaklıklarında kullanılmaya uygundur. Kısa süreli ani sıcaklık artışlarına dayanıklıdır. PVC 'ye oranla yüksek elektrik yalıtımına sahiptir.

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 12xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

Suitable for using indoor and industrial factory or the distribution centers where mechanical damage is not expected. in plants in which sudden load fluctuations occur and in high operating temperature. Strong against sudden temperature rises. Have higher electrical insulation than PVC.



Max. işletme sıcaklığı  
Max. Operating temperature



Kısa devre sıcaklığı  
Max. short Circuit temperature



Test Gerilimi  
(AC) 4 kV  
Test Voltage  
(AC) 4 kV



Aleve dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Sektör kesit  
Sector



Serim sıcaklığı  
minimum 5°C  
Installation temperature  
min 5°C



Boru içinde  
In conduit



Açıkta  
Outdoor



Beton içinde  
In concrete



Toprak altında  
Direct buried



Endüstriyel tesisat  
Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

# N2XRY (SM)

### N2XRY (SM) (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
3X50 SM	29.01	197	206	0.387	2365	1000	R 1500
3X70 SM	33.53	250	254	0.268	3349	1000	R 1600
3X95 SM	36.51	308	305	0.198	4202	500	R 1400
3X120 SM	39.63	359	348	0.153	5071	500	R 1500
3X150 SM	43.48	412	392	0.124	6054	500	R 1500
3X185 SM	48.50	475	444	0.0991	7829	500	R 1700
3X240 SM	53.31	564	517	0.0754	9747	250	R 1500
4X50 SM	31.94	197	206	0.387	2924	1000	R 1600
4X70 SM	37.03	250	254	0.268	4177	1000	R 1800
4X95 SM	40.99	308	305	0.198	5351	500	R 1500
4X120 SM	45.69	359	348	0.153	6828	500	R 1600
4X150 SM	49.69	412	392	0.124	8149	500	R 1700
4X185 SM	54.34	475	444	0.0991	9986	250	R 1500
4X240 SM	59.63	564	517	0.0754	12441	250	R 1500
3x50 SM/25 RM	34.14	197	206	0.387/0.727	3101	1000	R 1700
3x70 SM/35 SM	35.94	250	254	0.268/0.524	3816	1000	R 1700
3x95 SM/50 SM	39.82	308	305	0.193/0.387	4857	500	R 1500
3x120 SM/70 SM	46.75	359	348	0.153/0.268	6616	500	R 1600
3x150 SM/70 SM	52.64	412	392	0.124/0.268	7658	500	R 1700
3x185 SM/95 SM	58.21	475	444	0.0991/0.193	9404	250	R 1500
3x240 SM/ 120SM	63.66	564	517	0.754/0.153	11619	250	R 1600



$$\alpha = 100^\circ + 60^\circ$$



$$\alpha = 100^\circ + \emptyset$$



$$\alpha = 90^\circ$$



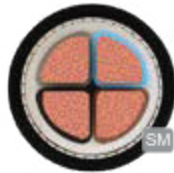
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## N2XFGbY (SM)



- 1) Sektör Kesitli Bakır İletken  
Multi Wire Sectoral Conductor
- 2) XLPE İzole  
XLPE Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) PVC Kılıf  
PVC Sheath

SM : Sektör Kesitli Çoklu Bakır İletken  
SM : Multi Wire Sectoral Conductor



**STANDARD**  
VDE 0276-603

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Bina içinde ve endüstriyel fabrika yada mekanik hasar beklenmeyen dağıtım merkezlerinde ani yük değişimlerinin olduğu tesislerde, yüksek çalışma sıcaklıklarında kullanılmaya uygundur. Kısa süreli ani sıcaklık artışlarına dayanıklıdır. PVC 'ye oranla yüksek elektrik yalıtımına sahiptir.

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

Suitable for using indoor and industrial factory or the distribution centers where mechanical damage is not expected, in plants in which sudden load fluctuations occur and in high operating temperature. Strong against sudden temperature rises. Have higher electrical insulation than PVC.

90°C  
Max. işletme sıcaklığı  
Max. Operating temperature

250°C  
Kısa devre sıcaklığı  
Max. short Circuit temperature

⚡  
Test Gerilimi  
(AC) 4 kV  
Test Voltage  
(AC) 4 kV

🔥  
Alev dayanıklılık  
Flame retardant  
IEC 60332-1

Pb  
Kurşunsuz  
Lead-free

📐  
Sektör kesit  
Sector

🌡️  
Serim sıcaklığı  
minimum 5°C  
Installation temperature  
min 5°C

🌀  
Boru içinde  
In conduit

🌞  
Açıkta  
Outdoor

🏠  
Beton içinde  
In concrete

☀️  
Toprak altında  
Direct buried

🏭  
Endüstriyel tesisat  
Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## N2XFGbY (SM)

### N2XFGbY (SM) (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
3X50 SM	26.96	197	206	0.387	2127	1000	R 1500
3X70 SM	30.66	250	254	0.268	2848	1000	R 1500
3X95 SM	33.66	308	305	0.198	3683	1000	R 1600
3X120 SM	37.25	359	348	0.153	4488	500	R 1400
3X150 SM	41.13	412	392	0.124	5429	500	R 1500
3X185 SM	45.12	475	444	0.0991	6734	500	R 1500
3X240 SM	50.41	564	517	0.0754	8535	500	R 1700
4X50 SM	29.91	197	206	0.387	2664	1000	R 1500
4X70 SM	34.62	250	254	0.268	3638	1000	R 1700
4X95 SM	38.62	308	305	0.198	4744	500	R 1500
4X120 SM	42.28	359	348	0.153	5808	500	R 1500
4X150 SM	46.75	412	392	0.124	7023	500	R 1600
4X185 SM	51.45	475	444	0.0991	8725	500	R 1700
4X240 SM	57.23	564	517	0.0754	11093	250	R 1500
3x50 SM/25 RM	31.09	197	206	0.387/0.727	2629	1000	R 1500
3x70 SM/35 SM	32.89	250	254	0.268/0.524	3313	1000	R 1600
3x95 SM/50 SM	37.20	308	305	0.193/0.387	4308	500	R 1400
3x120 SM/70 SM	43.04	359	348	0.153/0.268	5559	500	R 1500
3x150 SM/70 SM	49.37	412	392	0.124/0.268	6501	500	R 1600
3x185 SM/95 SM	54.93	475	444	0.0991/0.193	8128	250	R 1500
3x240 SM/ 120 SM	60.83	564	517	0.754/0.153	10220	250	R 1500



$$\alpha = 100^\circ + 60^\circ$$



$$\alpha = 100^\circ + 0^\circ$$



$$\alpha = 90^\circ$$



$$\alpha = 120^\circ$$

## N2XBV (SM)



- 1) Sektör Kesitli Bakır İletken  
Multi Wire Sectoral Conductor
- 2) XLPE İzole  
XLPE Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) Galvanizli Çift Çelik Bant  
Galvanized Double Steel Tape
- 5) PVC Kılıf  
PVC Sheath

SM : Sektör Kesitli Çoklu Bakır İletken  
SM : Multi Wire Sectoral Conductor



### STANDARD

VDE 0276-603

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Bina içinde ve endüstriyel fabrika yada mekanik hasar beklenmeyen dağıtım merkezlerinde ani yük değişimlerinin olduğu tesislerde, yüksek çalışma sıcaklıklarında kullanılmaya uygundur. Kısa süreli ani sıcaklık artışlarına dayanıklıdır. PVC 'ye oranla yüksek elektrik yalıtımına sahiptir.

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

Suitable for using indoor and industrial factory or the distribution centers where mechanical damage is not expected. in plants in which sudden load fluctuations occur and in high operating temperature. Strong against sudden temperature rises. Have higher electrical insulation than PVC.

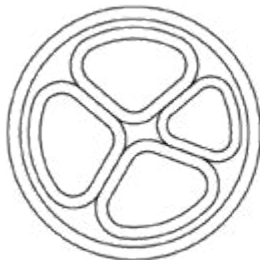
 Max. işletme sıcaklığı Max. Operating temperature	 Kısa devre sıcaklığı Max. short Circuit temperature	 Test Gerilimi (AC) 4 kV Test Voltage (AC) 4 kV	 Alev dayanıklılık Flame retardant IEC 60332-1	 Kurşunsuz Lead-free	 Sektör kesit Sector
 Serim sıcaklığı minimum 5°C Installation temperature min 5°C	 Boru içinde In conduit	 Açıkta Outdoor	 Beton içinde In concrete	 Toprak altında Direct buried	 Endüstriyel tesisat Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

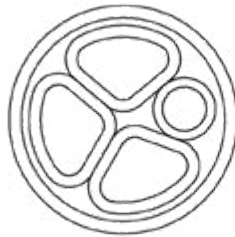
## N2XBY (SM)

### N2XBY (SM) (0.6/kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
3X50 SM	26.96	197	206	0.387	2127	1000	R 1500
3X70 SM	30.66	250	254	0.268	2848	1000	R 1500
3X95 SM	33.66	308	305	0.198	3683	1000	R 1600
3X120 SM	37.25	359	348	0.153	4488	500	R 1400
3X150 SM	41.13	412	392	0.124	5429	500	R 1500
3X185 SM	45.12	475	444	0.0991	6734	500	R 1500
3X240 SM	50.41	564	517	0.0754	8535	500	R 1700
4X50 SM	27.73	197	206	0.387	2576	1000	R 1500
4X70 SM	32.00	250	254	0.268	3540	1000	R 1600
4X95 SM	36.00	308	305	0.198	4643	500	R 1400
4X120 SM	39.66	359	348	0.153	5704	500	R 1500
4X150 SM	43.70	412	392	0.124	6906	500	R 1500
4X185 SM	48.39	475	444	0.0991	8604	500	R 1700
4X240 SM	53.74	564	517	0.0754	10930	250	R 1500
3x50 SM/25 RM	31.09	197	206	0.387/0.727	2629	1000	R 1500
3x70 SM/35 SM	32.89	250	254	0.268/0.524	3313	1000	R 1600
3x95 SM/50 SM	37.20	308	305	0.193/0.387	4308	500	R 1400
3x120 SM/70 SM	43.04	359	348	0.153/0.268	5559	500	R 1500
3x150 SM/70 SM	49.37	412	392	0.124/0.268	6501	500	R 1700
3x185 SM/95 SM	54.93	475	444	0.0991/0.193	8128	250	R 1500
3x240 SM/ 120SM	60.83	564	517	0.754/0.153	10220	250	R 1500



$$\alpha = 100^\circ + 60^\circ$$



$$\alpha = 100^\circ + 0^\circ$$



$$\alpha = 90^\circ$$



$$\alpha = 120^\circ$$

## N2XCY (SM)



- 1) Sektör Kesitli Bakır İletken  
Multi Wire Sectoral Conductor
- 2) XLPE İzole  
XLPE Insulation
- 3) PVC Dolgu  
PVC Filler
- 4) Konsantrik Bakır İletken  
Concentric Copper Conductors
- 5) Bakır Bant  
Copper Tape
- 6) PVC Kılıf  
PVC Sheath

SM : Sektör Kesitli Çoklu Bakır İletken  
SM : Multi Wire Sectoral Conductor



### STANDARD

VDE 0276-603

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Şehir şebekeleri, cadde aydınlatmaları ve ev bağlantılarında tercihen toprak altında kullanılır. Darbe sonrası hasar görmesi durumunda hat sigortası açılarak devre güvenliği sağlanır.

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

Preferably used underground in mains, street lightings and house connections. In case of physical damage provide the circuit safety by turning off line circuit breaker.



Max. işletme sıcaklığı  
Max. Operating temperature



Kısa devre sıcaklığı  
Max. short Circuit temperature



Test Gerilimi  
(AC) 4 kV  
Test Voltage  
(AC) 4 kV



Alev dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Sektör kesit  
Sector



Serim sıcaklığı  
minimum 5°C  
Installation temperature  
min 5°C



Boru içinde  
In conduit



Açıkta  
Outdoor



Beton içinde  
In concrete



Toprak altında  
Direct buried



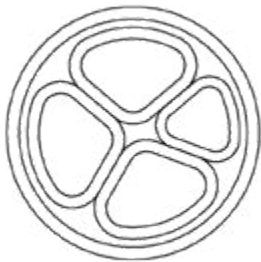
Endüstriyel tesisat  
Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## N2XCY (SM)

### N2XCY (SM) (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kagal/Coil R: Makara/Reel
3X50 SM	28.29	197	206	0.387	1948	1000	R 1500
3X70 SM	32.45	250	254	0.268	2714	1000	R 1600
3X95 SM	35.94	308	305	0.198	3582	500	R 1400
3X120 SM	39.85	359	348	0.153	4530	500	R 1500
3X150 SM	43.69	412	392	0.124	5396	500	R 1500
3X185 SM	48.44	475	444	0.0991	6788	500	R 1700
3X240 SM	53.96	564	517	0.0754	8716	500	R 1800
4X50 SM	31.22	197	206	0.387	2429	1000	R 1500
4X70 SM	35.94	250	254	0.268	3426	1000	R 1700
4X95 SM	40.43	308	305	0.198	4569	500	R 1500
4X120 SM	44.83	359	348	0.153	5762	500	R 1500
4X150 SM	48.83	412	392	0.124	6894	500	R 1700
4X185 SM	54.27	475	444	0.0991	8668	250	R 1500
4X240 SM	60.28	564	517	0.0754	11135	250	R 1500



$$\alpha = 100^\circ + 60^\circ$$



$$\alpha = 100^\circ + 0^\circ$$

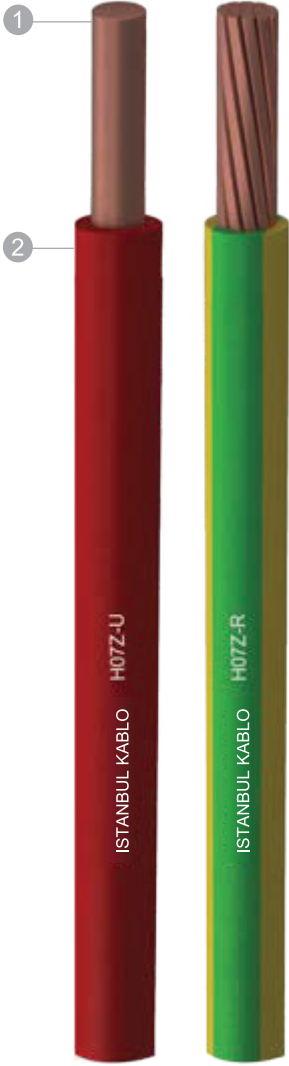


$$\alpha = 90^\circ$$



$$\alpha = 120^\circ$$

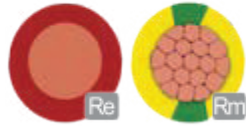
# H05Z1-U / H07Z1-U H07Z1-R



1) Som veya Örgülü Bakır  
Solid or Stranded Copper

2) HFFR İzole  
HFFR Insulation

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



## STANDARD

TS EN 50525-3-31

## TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Anma gerilimi	: 05-300/500V 07-450/750V

## KULLANIM ALANLARI

Oteller, okullar, yüksek binalar, hastaneler, bilgi işlem merkezleri ve insanların yoğun olarak bulunduğu iş merkezleri ile yangına hassas bölgelerde kullanılır.

## TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Rated Voltage	: 05-300/500V 07-450/750V

## USAGE AREAS

It is used in hotels, schools, high buildings, hospitals, data processing centers and crowded business centers and fire-sensitive areas.

  
Max. işletme sıcaklığı  
Max. Operating temperature

  
Kısa devre sıcaklığı  
Short circuit temperature

  
Test Gerilimi (AC)  
2 kV- 2.5 kV  
Test Voltage (AC)  
2 kV - 2.5 kV


  
Alev dayanıklılık  
Flame retardant  
IEC 60332-1

  
Kurşunsuz  
Lead-free

  
Örgülü  
Stranded

  
Som  
Solid

  
Serim sıcaklığı  
minimum 5°C  
Installation temperature  
min 5°C

  
Açıkta  
Outdoor

  
Dağıtım panoları  
Distribution panels

  
Boru içinde  
In conduit

  
İç tesisat  
Internal wiring

## TEKNİK ÖZELLİKLER TECHNICAL DATA

# H05Z1-U / H07Z1-U H07Z1-R

### H05Z1-U (300/500V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kanga/Coil R: Makara/Reel
0.5	2	9	36	8.25	100	C 100
0.75	2.15	15	24.5	10.65	100	C 100
1	2.3	19	18.1	13.26	100	C 100

### H07Z1-U (450/750V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kanga/Coil R: Makara/Reel
1.5	2.75	24	12.1	19.45	100	C 100
2.5	3.35	32	7.41	30.45	100	C 100
4	3.8	42	4.61	44.65	100	C 100
6	4.3	54	3.08	63.2	100	C 100
10	5.45	73	1.83	104.7	100	C 100

### H07Z1-R (450/750V)

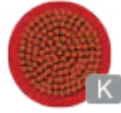
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kanga/Coil R: Makara/Reel
1.5	2.95	24	12.1	20.3	100	C 100
2.5	3.6	32	7.41	32.1	100	C 100
4	4.1	42	4.61	46.45	100	C 100
6	4.65	54	3.08	64.9	100	C 100
10	5.9	73	1.83	109.1	100	C 100
16	6.85	98	1.15	163.5	100	C 100
25	8.45	129	0.727	253.9	100	C 100
35	9.55	158	0.524	343.1	1000	R 700
50	11.2	197	0.387	463.8	1000	R 800
70	12.9	245	0.268	660.6	1000	R 800
95	15.1	290	0.193	912.9	1000	R 1000
120	16.25	345	0.153	1132	1000	R 1000
150	18.2	390	0.124	1400	1000	R 1100
185	20.65	445	0.0991	1771	1000	R 1200
240	23.45	525	0.0754	2315	1000	R 1300
300	26.5	605	0.0601	2858	1000	R 1400

## H05Z1-K / H07Z1-K



- 1) İnce Telli Bükülgen Bakır  
Fine Wired Flexible Copper
- 2) HFFR İzole  
HFFR Insulation

K : İnce Telli Bükülgen Bakır  
K : Fine Wired Flexible Copper



**STANDARD**  
TS EN 50525-3-31

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5 °C
Anma gerilimi	: 05-300/500V 07-450/750V

### KULLANIM ALANLARI

Oteller, okullar, yüksek binalar, hastaneler, bilgi işlem merkezleri ve insanların yoğun olarak bulunduğu iş merkezleri ile yangına hassas bölgelerde kullanılır.

### TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5 °C
Rated Voltage	: 05-300/500V 07-450/750V

### USAGE AREAS

It is used in hotels, schools, high buildings, hospitals, data processing centers and crowded business centers and fire-sensitive areas.

70°C

Max. işletme sıcaklığı  
Max. Operating temperature

160°C

Kısa devre sıcaklığı  
Short circuit temperature



Test Gerilimi (AC)  
2 kV- 2.5 kV  
Test Voltage (AC)  
2 kV - 2.5 kV



Aleve dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Örgülü  
Stranded



Serim sıcaklığı  
minimum 5°C  
Installation temperature  
min 5°C



Açıkta  
Outdoor



Dağıtım panoları  
Distribution panels



Boru içinde  
In conduit



İç tesisat  
Internal wiring

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## H05Z1-K / H07Z1-K

### H05Z1-K (300/500V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kanga/Coil R: Makara/Reel
0.5	2.1	11	39	8.36	100	C 100
0.75	2.3	16	26	10.98	100	C 100
1	2.5	20	19.5	13.7	100	C 100

### H07Z1-K (450/750V)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kanga/Coil R: Makara/Reel
1.5	2.95	24	13.3	20	100	C 100
2.5	3.55	32	7.98	30	100	C 100
4	4.1	42	4.95	44	100	C 100
6	4.6	54	3.3	62	100	C 100
10	6.1	73	1.91	107	100	C 100
16	7.1	98	1.21	160	100	C 100
25	8.7	129	0.78	246	1000	R 700
35	10.4	158	0.554	344	1000	R 700
50	12.15	198	0.386	485	1000	R 800
70	14.5	245	0.272	668	1000	R 800
95	16.65	292	0.206	881	500	R 800
120	18.55	344	0.161	1126	500	R 900
150	20.6	391	0.129	1399	500	R 1000
185	22.8	448	0.106	1708	500	R 1000
240	26.1	528	0.0801	2283	250	R 900
300	28.6	620	0.0641	2811	250	R 1000

# NHXMH



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) XLPE İzole  
XLPE Insulation
- 3) HFFR DOLGU  
HFFR Filler
- 4) HFFR Dış Kılıf  
HFFR Outer Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
VDE 250-214

## TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5°C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 300/500V

## KULLANIM ALANLARI

Hastanelerde, okullarda, otellerde, alışveriş merkezlerinde, bilgi işlem merkezlerinde, toplu taşımacılık tesislerinde, tünellerde, enerji santrallerinde kullanılırlar.

## TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5°C
Minimum Bending Radius	: 12xD
Rated Voltage	: 300/500V

## USAGE AREAS

It is used in hospitals, schools, hotels, shopping centers, data processing centers, public transportation premises, tunnels and power plants.



Max. işletme sıcaklığı  
Max. Operating temperature



Kısa devre sıcaklığı  
Max. short Circuit temperature



Test Gerilimi (AC)  
2 kV- 2.5 kV  
Test Voltage (AC)  
2 kV - 2.5 kV



Aleve dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Örgülü  
Stranded



Som  
Solid



Serim sıcaklığı  
minimum 5°C  
Installation temperature  
min 5°C



Açıkta  
Outdoor



Boru içinde  
In conduit



Beton içinde  
In concrete



İç tesisat  
Internal wiring

# H03Z1Z1-F

# H05Z1Z1-F



- 1) İnce ve Çok Telli Bükülgen Bakır  
Fine and Multiple Wired Flexible Copper
- 2) HFFR İzole  
HFFR Insulation
- 3) HFFR Dış Kılıf  
HFFR Outer Sheath

F : İnce Telli Bükülgen Bakır  
F : Fine Wired Flexible Copper



## STANDARD

TS EN 50525-3-11

## TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160 °C
Test gerilimi (AC)	: 2 - 2.5 kV
Serim sıcaklığı min	: 5°C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 03-300/300V 05-300/500V

## KULLANIM ALANLARI

Hastanelerde, okullarda, otellerde, alışveriş merkezlerinde, bilgi işlem merkezlerinde, toplu taşımacılık tesislerinde, tünellerde, enerji santrallerinde kullanılırlar.

## TECHNICAL DATA

Permissible operating temperature	: 70° C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 2 - 2.5 kV
Installation temperature minimum	: 5°C
Minimum Bending Radius	: 12xD
Rated Voltage	: 03-300/300V 05-300/500V

## USAGE AREAS

It is used in hospitals, schools, hotels, shopping centers, data processing centers, public transportation premises, tunnels and power plants.



Max. işletme sıcaklığı  
Max. Operating temperature



Kısa devre sıcaklığı  
Short circuit temperature



Test Gerilimi (AC)  
2 kV- 2.5 kV  
Test Voltage (AC)  
2 kV - 2.5 kV



Aleve dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Bükülgen  
Flexible



Serim sıcaklığı minimum 5°C  
Installation temperature min 5°C



Açıkta  
Outdoor



Boru içinde  
In conduit



İç tesisat  
Internal wiring

**TEKNİK ÖZELLİKLER**  
**TECHNICAL DATA**

**H03Z1Z1-F**  
**H05Z1Z1-F**

**H03Z1Z1-F (300/300V)**

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
2x0.50	5.40	8	39	40.68	100	C 100
3x0.50	5.75	8	39	48.25	100	C 100
4x0.50	6.30	8	39	59.15	100	C 100

**H05Z1Z1-F (300/500V)**

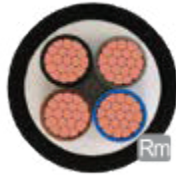
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi Havada	İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in Air	Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	A	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
2x0.75	6.20	12	26.00	54.80	100	C 100
2x1	6.60	16	19.50	64.00	100	C 100
2x1.5	7.50	20	13.30	84.80	100	C 100
2x2.5	9.10	25	7.98	129.00	100	C 100
2x4	10.30	34	4.95	175.00	100	C 100
3G0.75	6.60	8	26.00	65.05	100	C 100
3G1	6.90	12	19.50	75.10	100	C 100
3G1.5	8.20	16	13.30	106.50	100	C 100
3G2.5	9.90	25	7.98	160.95	100	C 100
3G4	10.95	34	4.95	215.20	100	C 100
4G0.75	7.20	12	26.00	79.50	100	C 100
4G1	7.85	16	19.50	97.90	100	C 100
4G1.5	9.15	20	13.30	135.40	100	C 100
4G2.5	10.80	25	7.98	198.82	100	C 100
4G4	12.20	34	4.95	274.00	100	C 100
5G0.75	8.00	12	26.00	99.32	100	C 100
5G1	8.55	16	19.50	117.77	100	C 100
5G1.5	10.00	20	13.30	164.75	100	C 100
5G2.5	12.00	25	7.98	246.27	100	C 100
5G4	13.75	34	4.95	345.53	100	C 100

## N2XH



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) XLPE İzole  
XLPE Insulation
- 3) HFFR DOLGU  
HFFR Filler
- 4) HFFR Dış kılıf  
HFFR Outer Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
TS HD 604 S1

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5°C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Hastanelerde, okullarda, otellerde, alışveriş merkezlerinde bilgi işlem merkezlerinde, toplu taşımacılık tesislerinde tünellerde, enerji santrallerinde kullanılırlar.

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5°C
Minimum Bending Radius	: 12xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

It is used in hospitals, schools, hotels, shopping centers, data processing centers, public transportation premises tunnels and power plants.

90°C

Max. işletme sıcaklığı  
Max. Operating temperature

250°C

Kısa devre sıcaklığı  
Short circuit temperature



Test Gerilimi  
(AC) 4 kV  
Test Voltage  
(AC) 4 kV



Aleve dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Örgülü  
Stranded



Som  
Solid



Serim sıcaklığı  
minimum 5°C  
Installation temperature  
min 5°C



Boru içinde  
In conduit



Açıkta  
Outdoor



Beton içinde  
In concrete



Toprak altında  
Direct buried



Endüstriyel tesisat  
Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

# N2XH

### N2XH (0.6/1kV)

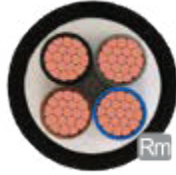
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
1X10 rm	7.7	77	89	1.83	132	1000	R 600
1X16 rm	8.7	102	115	1.15	190	1000	R 600
1X25 rm	10.4	138	148	0.727	285	1000	R 700
1X35 rm	11.45	170	177	0.524	376	1000	R 800
1X50 rm	12.97	207	209	0.387	496	1000	R 800
1X70 rm	14.894	263	256	0.268	703	1000	R 1000
1X95 rm	16.766	325	307	0.198	949	1000	R 1000
1X120 rm	18.222	380	349	0.153	1180	1000	R 1100
1X150 rm	20.25	437	393	0.124	1451	1000	R 1200
1X185 rm	22.798	507	445	0.0991	1826	1000	R 1300
1X240 rm	25.554	604	517	0.0754	2369	1000	R 1400
1X300 rm	28.466	697	663	0.0601	2893	1000	R 1500
2X1.5 re	8.95	24	31	12.1	115	1000	R 700
2X2.5 re	9.75	32	40	7.41	145	1000	R 700
2X4 re	10.65	42	52	4.61	188	1000	R 700
2X6 re	11.65	53	64	3.08	242	1000	R 800
2X10 rm	14.218	74	86	1.83	375	1000	R 1000
2X16 rm	16.298	98	112	1.15	532	1000	R 1000
2X25 rm	19.834	133	145	0.727	805	1000	R 1100
2X35 rm	22.018	162	174	0.524	1047	1000	R 1200
3X1.5 re	9.39	24	31	12.1	131	1000	R 700
3X2.5 re	10.25	32	40	7.41	170	1000	R 700
3X4 re	11.23	42	52	4.61	226	1000	R 800
3X6 re	12.31	53	64	3.08	296	1000	R 800
3X10 rm	15.51	74	86	1.83	481	1000	R 1000
3X16 rm	17.75	98	112	1.15	688	1000	R 1000
3X25 rm	21.57	133	145	0.727	1043	1000	R 1100
3X35 rm	23.93	162	174	0.524	1366	1000	R 1300
3X50 rm	27.30	197	206	0.387	1805	1000	R 1500
3X70 rm	31.77	250	254	0.268	2560	1000	R 1600
3X95 rm	35.92	308	305	0.198	3431	1000	R 1700
3X120 rm	39.06	359	348	0.153	4233	500	R 1500
3X150 rm	43.44	412	392	0.124	5210	500	R 1500
3X185 rm	48.95	475	444	0.0991	6569	500	R 1700
3X240 rm	54.90	564	517	0.0754	8480	250	R 1500
3X300 rm	61.19	649	585	0.0754	10386	250	R 1500

## N2XH



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) XLPE İzole  
XLPE Insulation
- 3) HFFR DOLGU  
HFFR Filler
- 4) HFFR Dış Kılıf  
HFFR Outer Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
TS HD 604 S1

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5°C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

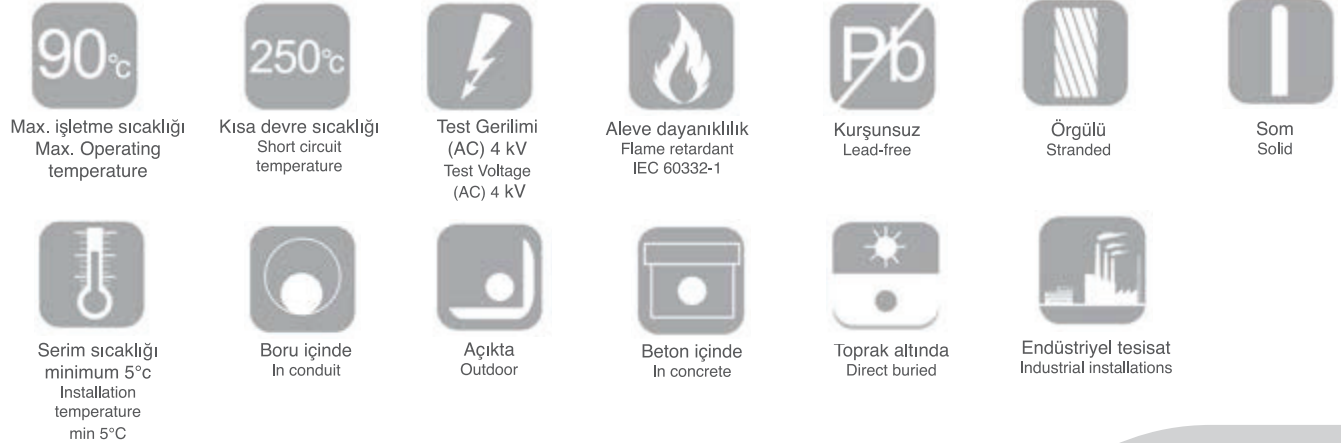
Hastanelerde, okullarda, otellerde, alışveriş merkezlerinde bilgi işlem merkezlerinde, toplu taşımacılık tesislerinde tünellerde, enerji santrallerinde kullanılırlar.

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5°C
Minimum Bending Radius	: 12xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

It is used in hospitals, schools, hotels, shopping centers, data processing centers, public transportation premises tunnels and power plants.



## TEKNİK ÖZELLİKLER TECHNICAL DATA

# N2XH

### N2XH (0.6/1kV)

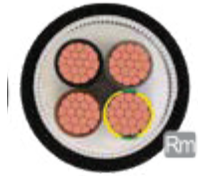
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kanga/Coil R: Makara/Reel
4X1.5 re	10.10	24	31	12.10	154	1000	R 700
4X2.5 re	11.07	32	40	7.41	203	1000	R 800
4X4 re	12.16	42	52	4.61	272	1000	R 800
4X6 re	13.40	53	64	3.08	362	1000	R 900
4X10 rm	16.92	74	86	1.83	590	1000	R 1000
4X16 rm	19.44	98	112	1.15	853	1000	R 1100
4X25 rm	23.88	133	145	0.727	1310	1000	R 1300
4X35 rm	26.78	162	174	0.524	1741	1000	R 1400
4X50 rm	30.55	197	206	0.387	2300	1000	R 1500
4X70 rm	35.21	250	254	0.268	3235	1000	R 1700
4X95 rm	39.74	308	305	0.198	4338	500	R 1500
4X120 rm	43.26	359	348	0.153	5367	500	R 1500
4X150 rm	48.17	412	392	0.124	6609	500	R 1700
4X185 rm	54.34	475	444	0.0991	8336	250	R 1500
4X240 rm	61.00	564	517	0.0754	10781	250	R 1500
5X1.5 re	11.87	24	31	12.10	211	1000	R 800
5X2.5 re	12.97	32	40	7.41	275	1000	R 800
5X4 re	14.23	42	52	4.61	366	1000	R 900
5X6 re	15.64	53	64	3.08	481	1000	R 1000
5X10 rm	18.76	74	86	1.83	734	1000	R 1100
5X16 rm	21.47	98	112	1.15	1056	1000	R 1100
5X25 rm	26.34	133	145	0.727	1620	1000	R 1400
5X35 rm	29.40	162	174	0.524	2143	1000	R 1500
5X50 rm	33.61	197	206	0.387	2839	1000	R 1600
5X70 rm	38.80	250	254	0.268	4002	1000	R 1800
5X95 rm	43.86	308	305	0.198	5377	500	R 1500
5X120 rm	47.79	359	348	0.153	6661	500	R 1600
5X150 rm	53.27	412	392	0.124	8210	500	R 1800
5X185 rm	60.14	475	444	0.0991	10364	250	R 1500
5X240 rm	67.59	564	517	0.0754	13417	250	R 1700
3X16+10 rm	18.81	98	112	1.15/1.83	776	1000	R 1100
3X25+16 rm	22.86	133	145	0.727/1.15	1187	1000	R 1300
3X35+16 rm	24.94	162	174	0.524/1.15	1499	1000	R 1400
3X50+25 rm	28.74394	197	206	0.387/0.727	2028	1000	R 1500
3X70+35 rm	33.00066	250	254	0.268/0.524	2838	1000	R 1600
3X95+50 rm	37.44614	308	305	0.193/0.387	3821	1000	R 1800
3X120+70 rm	41.2528	359	348	0.153/0.268	4840	500	R 1500
3X150+70 rm	44.93362	412	392	0.124/0.268	5758	500	R 1500
3X185+95 rm	50.6908	475	444	0.0991/0.193	7338	500	R 1700
3X240+120 rm	56.57382	564	517	0.754/0.153	9429	250	R 1500

## N2XRH



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) XLPE İzole  
XLPE Insulation
- 3) HFFR Dolgu  
HFFR Filler
- 4) Galvanizli Yuvarlak Çelik Tel  
Galvanized Round Steel Wire
- 5) HFFR Dış Kılıf  
HFFR Outer Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
TS HD 604 S1

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5°C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Hastanelerde, okullarda, otellerde, alışveriş merkezlerinde bilgi işlem merkezlerinde, toplu taşımacılık tesislerinde tünellerde, enerji santrallerinde kullanılırlar.

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5°C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

It is used in hospitals, schools, hotels, shopping centers, data processing centers, public transportation premises tunnels and power plants.



Max. işletme sıcaklığı  
Max. Operating temperature



Kısa devre sıcaklığı  
Short circuit temperature



Test Gerilimi  
(AC) 4 kV  
Test Voltage  
(AC) 4 kV



Aleve dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Örgülü  
Stranded



Som  
Solid



Serim sıcaklığı  
minimum 5°C  
Installation temperature  
min 5°C



Boru içinde  
In conduit



Açıkta  
Outdoor



Beton içinde  
In concrete



Toprak altında  
Direct buried



Endüstriyel tesisat  
Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

# N2XRH

### N2XRH (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
1X10 rm	13.03	77	89	1.83	320	1000	R 800
1X16 rm	14.04	102	115	1.15	399	1000	R 900
1X25 rm	16.67	138	148	0.727	635	1000	R 1000
1X35 rm	17.73	170	177	0.524	760	1000	R 1000
1X50 rm	19.24	207	209	0.387	920	1000	R 1100
1X70 rm	22.02	263	256	0.268	1312	1000	R 1200
1X95 rm	23.83	325	307	0.198	1611	1000	R 1300
1X120 rm	25.45	380	349	0.153	1913	1000	R 1400
1X150 rm	27.42	437	393	0.124	2270	1000	R 1500
1X185 rm	30.09	507	445	0.0991	2766	1000	R 1500
1X240 rm	33.78	604	517	0.0754	3662	1000	R 1700
2X1.5 re	13.08	24	31	12.1	312	1000	R 800
2X2.5 re	13.89	32	40	7.41	359	1000	R 900
2X4 re	15.71	42	52	4.61	514	1000	R 1000
2X6 re	16.92	53	64	3.08	609	1000	R 1000
2X10 rm	19.44	74	86	1.83	801	1000	R 1100
2X16 rm	22.37	98	112	1.15	1138	1000	R 1200
2X25 rm	26.00	133	145	0.727	1543	1000	R 1400
2X35 rm	28.12	162	174	0.524	1853	1000	R 1500
3X1.5 re	13.53	24	31	12.1	340	1000	R 900
3X2.5 re	14.40	32	40	7.41	395	1000	R 1000
3X4 re	16.29	42	52	4.61	576	1000	R 1000
3X6 re	17.58	53	64	3.08	677	1000	R 1100
3X10 rm	20.29	74	86	1.83	925	1000	R 1100
3X16 rm	23.18	98	112	1.15	1304	1000	R 1300
3X25 rm	27.09	133	145	0.727	1787	1000	R 1500
3X35 rm	29.58	162	174	0.524	2205	1000	R 1500
3X50 rm	33.86	197	206	0.387	2967	1000	R 1700
3X70 rm	38.09	250	254	0.268	3822	1000	R 1800
3X95 rm	43.23	308	305	0.198	6618	500	R 1500
3X120 rm	46.48	359	348	0.153	7861	500	R 1600
3X150 rm	51.14	412	392	0.124	9601	250	R 1500
3X185 rm	56.68	475	444	0.0991	11902	250	R 1500
3X240 rm	62.66	564	517	0.0754	14970	250	R 1600

## N2XRH (LSF SWA)



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) XLPE İzole  
XLPE Insulation
- 3) HFFR Dolgu  
HFFR Filler
- 4) Galvanizli Yuvarlak Çelik Tel  
Galvanized Round Steel Wire
- 5) HFFR Dış Kılıf  
HFFR Outer Sheath

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5°C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Hastanelerde. okullarda. otellerde. alışveriş merkezlerinde bilgi işlem merkezlerinde. toplu taşımacılık tesislerinde tünellerde. enerji santrallerinde kullanılırlar.

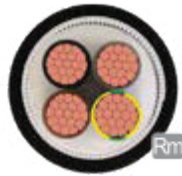
### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5°C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

It is used in hospitals. schools. hotels. shopping centers. data processing centers. public transportation premises tunnels and power plants.

- Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
TS HD 604 S1

90°C

Max. işletme sıcaklığı  
Max. Operating temperature

250°C

Kısa devre sıcaklığı  
Short circuit temperature



Test Gerilimi  
(AC) 4 kV  
Test Voltage  
(AC) 4 kV



Aleve dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Örgülü  
Stranded



Som  
Solid



Serim sıcaklığı  
minimum 5°C  
Installation temperature  
min 5°C



Boru içinde  
In conduit



Açıkta  
Outdoor



Beton içinde  
In concrete



Toprak altında  
Direct buried



Endüstriyel tesisat  
Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## N2XRH (LSF SWA)

### N2XRH (LSF SWA) (0.6/1kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kagal/Coil R: Makara/Reel

4X1.5 re	15.16	24	31	12.1	468	1000	R 1000
4X2.5 re	16.14	32	40	7.41	541	1000	R 1000
4X4 re	17.43	42	52	4.61	656	1000	R 1000
4X6 re	18.66	53	64	3.08	778	1000	R 1100
4X10 rm	22.37	74	86	1.83	1174	1000	R 1200
4X16 rm	25.02	98	112	1.15	1533	1000	R 1400
4X25 rm	30.18	133	145	0.727	2323	1000	R 1500
4X35 rm	32.95	162	174	0.524	2854	1000	R 1600
4X50 rm	36.81	197	206	0.387	3554	1000	R 1800
4X70 rm	42.14	250	254	0.268	4866	500	R 1500
4X95 rm	47.15	308	305	0.198	6332	500	R 1600
4X120 rm	50.97	359	348	0.153	7597	500	R 1700
4X150 rm	55.93	412	392	0.124	9048	500	R 1800
4X185 rm	62.12	475	444	0.0991	11096	250	R 1500
4X240 rm	69	564	517	0.0754	13888	250	R 1700
5x1.5 re	16.7	24	31	12.1	560	1000	R 1000
5x2.5 re	17.8	32	40	7.41	650	1000	R 1000
5x4 re	19.1	42	52	4.61	780	1000	R 1100
5x6 re	20.4	53	64	3.08	930	1000	R 1100
5x10 rm	24	74	86	1.83	1390	1000	R 1200
5x16 rm	26.7	98	112	1.15	1800	1000	R 1500
5x25 rm	31.7	133	145	0.727	2520	1000	R 1500
5x35 rm	35.6	162	174	0.524	3380	1000	R 1700
5x50 rm	40	197	206	0.387	4250	1000	R 1800
5x70 rm	46.5	250	254	0.268	6040	500	R 1600
5x95 rm	51.7	308	305	0.198	7690	500	R 1700
5x120 rm	55.8	359	348	0.153	9230	500	R 1700
5x150 rm	61.5	412	392	0.124	11020	250	R 1500
5x185 rm	68.5	475	444	0.0991	13460	250	R 1600
5x240 rm	77.65	564	517	0.0754	17860	250	R 1800
3X16+10 rm	24.73	98	112	1.15/1.83	1452	1000	R 1400
3X25+16 rm	28.5	133	145	0.727/1.15	1971	1000	R 1500
3X35+16 rm	30.44	162	174	0.524/1.15	2342	1000	R 1500
3X50+25 rm	35.08	197	206	0.387/0.727	3218	1000	R 1700
3X70+35 rm	39.75	250	254	0.268/0.524	4308	1000	R 1800
3X95+50 rm	44.84	308	305	0.193/0.387	5701	500	R 1500
3X120+70 rm	48.97	359	348	0.153/0.268	6912	500	R 1700
3X150+70 rm	52.78	412	392	0.124/0.268	8041	500	R 1800
3X185+95 rm	58.83	475	444	0.0991/0.193	9926	250	R 1500
3X240+120 rm	64.91	564	517	0.754/0.153	12316	250	R 1600

## N2XFGbH



- 1) Örgülü Bakır  
Stranded Copper
- 2) XLPE izole  
XLPE Insulation
- 3) HFFR Dolgu  
HFFR Filler
- 4) Galvanizli Yassı Çelik Tel Zırh  
Galvanized Flat Steel Wire Armour
- 5) Galvanizli Çelik Bant  
Galvanized Steel Tape
- 6) HFFR Dış Kılıf  
HFFR Outer Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
TS HD 604 S1

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5°C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Yangın ve zehirli dumanın insanlara tehlike oluşturacağı yerlerde ve mekanik dayanım gerektiği durumlarda kullanılır. Toprak altında ve harici kullanıma uygundur.

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5°C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

It is used in places where mechanical strength is required and fire and toxic fumes will create hazard for people. Suitable for underground external use.



Max. işletme sıcaklığı  
Max. Operating temperature



Kısa devre sıcaklığı  
Short circuit temperature



Test Gerilimi  
(AC) 4 kV  
Test Voltage  
(AC) 4 kV



Aleve dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Örgülü  
Stranded



Som  
Solid



Serim sıcaklığı  
minimum 5°C  
Installation temperature  
min 5°C



Boru içinde  
In conduit



Açıkta  
Outdoor



Beton içinde  
In concrete



Toprak altında  
Direct buried



Endüstriyel tesisat  
Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## N2XFGbH

### N2XFGbH (0.6/kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kagal/Coil R: Makara/Reel
1X10 rm	12.60	77	89	1.83	370	1000	R 800
1X16 rm	13.62	102	115	1.15	464	1000	R 900
1X25 rm	15.35	138	148	0.727	603	1000	R 1000
1X35 rm	16.42	170	177	0.524	732	1000	R 1000
1X50 rm	17.95	207	209	0.387	893	1000	R 1100
1X70 rm	20.04	263	256	0.268	1177	1000	R 1200
1X95 rm	21.87	325	307	0.198	1466	1000	R 1300
1X120 rm	23.50	380	349	0.153	1747	1000	R 1400
1X150 rm	25.49	437	393	0.124	2087	1000	R 1500
1X185 rm	28.19	507	445	0.0991	2549	1000	R 1500
1X240 rm	31.04	604	517	0.0754	3178	1000	R 1700
1X300 rm	33.23	697	663	0.0601	3717	1000	R 800
2X10 rm	18.55	74	86	1.83	751	1000	R 900
2X16 rm	20.59	98	112	1.15	973	1000	R 1000
2X25 rm	24.06	133	145	0.727	1344	1000	R 1000
2X35 rm	26.20	162	174	0.524	1624	1000	R 1100
3X10 rm	19.01	74	86	1.83	855	1000	R 1200
3X16 rm	21.21	98	112	1.15	1123	1000	R 1400
3X25 rm	25.16	133	145	0.727	1582	1000	R 1500
3X35 rm	27.67	162	174	0.524	1952	1000	R 900
3X50 rm	31.17	197	206	0.387	2495	1000	R 1000
3X70 rm	35.86	250	254	0.268	3366	1000	R 1000
3X95 rm	40.02	308	305	0.198	4336	500	R 1100
3X120 rm	43.31	359	348	0.153	5244	500	R 1100
3X150 rm	48.41	412	392	0.124	6401	500	R 1300
3X185 rm	54.01	475	444	0.0991	7931	250	R 1500
3X240 rm	60.35	564	517	0.0754	10036	250	R 1500
3X50 rm	33.86	197	206	0.387	2967	1000	R 1700
3X70 rm	38.09	250	254	0.268	3822	1000	R 1800
3X95 rm	43.23	308	305	0.198	6618	500	R 1500
3X120 rm	46.48	359	348	0.153	7861	500	R 1600
3X150 rm	51.14	412	392	0.124	9601	250	R 1500
3X185 rm	56.68	475	444	0.0991	11902	250	R 1500
3X240 rm	62.66	564	517	0.0754	14970	250	R 1600

## N2XFGbH



- 1) Örgülü Bakır  
Stranded Copper
- 2) XLPE izole  
XLPE Insulation
- 3) HFFR Dolgu  
HFFR Filler
- 4) Galvanizli Yassı Çelik Tel Zırh  
Galvanized Flat Steel Wire Armour
- 5) Galvanizli Çelik Bant  
Galvanized Steel Tape
- 6) HFFR Dış Kılıf  
HFFR Outer Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



**STANDARD**  
TS HD 604 S1

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5°C
Minimum Bükme Yarı Çapı	: 15xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Yangın ve zehirli dumanın insanlara tehlike oluşturacağı yerlerde ve mekanik dayanım gerektiği durumlarda kullanılır. Toprak altında ve harici kullanıma uygundur.

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5°C
Minimum Bending Radius	: 15xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

It is used in places where mechanical strength is required and fire and toxic fumes will create hazard for people. Suitable for underground external use.



Max. işletme sıcaklığı  
Max. Operating temperature



Kısa devre sıcaklığı  
Short circuit temperature



Test Gerilimi  
(AC) 4 kV  
Test Voltage  
(AC) 4 kV



Aleve dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Örgülü  
Stranded



Som  
Solid



Serim sıcaklığı  
minimum 5°C  
Installation  
temperature  
min 5°C



Boru içinde  
In conduit



Açıkta  
Outdoor



Beton içinde  
In concrete



Toprak altında  
Direct buried



Endüstriyel tesisat  
Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

# N2XFGbH

### N2XFGbH (0.6/kV)

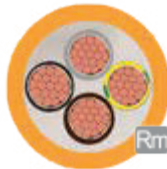
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
4X10 rm	20.4	74	86	1.83	997	1000	R 1100
4X16 rm	23.07	98	112	1.15	1333	1000	R 1300
4X25 rm	27.46	133	145	0.727	1886	1000	R 1500
4X35 rm	30.26	162	174	0.524	2374	1000	R 1500
4X50 rm	34.57	197	206	0.387	3070	1000	R 1700
4X70 rm	39.33	250	254	0.268	4141	1000	R 1800
4X95 rm	43.98	308	305	0.198	5354	500	R 1500
4X120 rm	48.24	359	348	0.153	6562	500	R 1700
4X150 rm	53.25	412	392	0.124	7949	500	R 1800
4X185 rm	59.91	475	444	0.0991	9909	250	R 1500
4X240 rm	66.73	564	517	0.0754	12552	250	R 1700
5x1.5 re	15.5	24	31	12.1	490	1000	R 900
5x2.5 re	16.6	32	40	7.41	580	1000	R 1000
5x4 re	17.8	42	52	4.61	710	1000	R 1000
5x6 re	19.2	53	64	3.08	850	1000	R 1100
5x10 rm	22.4	74	86	1.83	1160	1000	R 1200
5x16 rm	25.1	98	112	1.15	1550	1000	R 1300
5x25 rm	30	133	145	0.727	2230	1000	R 1500
5x35 rm	33.1	162	174	0.524	2820	1000	R 1600
5x50 rm	38	197	206	0.387	3690	1000	R 1700
5x70 rm	43.5	250	254	0.268	5000	500	R 1500
5x95 rm	49.3	308	305	0.198	6580	500	R 1600
5x120 rm	53.4	359	348	0.153	8010	500	R 1800
5x150 rm	59.65	412	392	0.124	9760	250	R 1500
5x185 rm	66.7	475	444	0.0991	12030	250	R 1600
5x240 rm	75	564	517	0.0754	15450	250	R 1700
3X16+10 rm	22.69	98	112	1.15/1.83	1242	1000	R 1200
3X25+16 rm	26.46	133	145	0.727/1.15	1738	1000	R 1400
3X35+16 rm	28.4	162	174	0.524/1.15	2102	1000	R 1500
3X50+25 rm	32.23	197	206	0.387/0.727	2729	1000	R 1600
3X70+35 rm	36.91	250	254	0.268/0.524	3674	1000	R 1800
3X95+50 rm	41.37	308	305	0.193/0.387	4783	500	R 1500
3X120+70 rm	45.91	359	348	0.153/0.268	5979	500	R 1600
3X150+70 rm	49.72	412	392	0.124/0.268	6987	500	R 1700
3X185+95 rm	55.57	475	444	0.0991/0.193	8743	250	R 1500
3X240+120 rm	61.85	564	517	0.754/0.153	11063	250	R 1500

## N2XH FE 180



- 1) Som ve Örgülü Bakır  
Solid or Stranded Copper
- 2) Mika Bant  
Mica Band
- 3) XLPE İzole  
XLPE Insulation
- 4) HFFR Dolgu  
HFFR Filler
- 5) HFFR Dış Kılıf  
HFFR Outer Sheath

Re : Som Yuvarlak İletken  
Re : Solid Single Round Conductor  
Rm : Çok Telli Yuvarlak İletken  
Rm : Multi Wire Round Conductor



### STANDARD

TS HD 604 S1

### ÖZELLİK

Yangın esnasında yoğun duman tabakası oluşturmayan IEC 60331-21'e göre alev altında 180 dakika enerji iletimini sağlayan özel kablo

### SPECIALITY

A special cable. which does not produce a dense smoke during a fire. and provide energy transmission under flame for 180 minutes according to IEC 60331-21

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5°C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Hastanelerde. okullarda. otellerde. alışveriş merkezlerinde. bilgi işlem merkezlerinde. toplu taşımacılık tesislerinde. tünellerde. enerji santrallerinde kullanılırlar.

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5°C
Minimum Bending Radius	: 12xD
Rated Voltage	: 0.6/1kV

### USAGE AREAS

It is used in hospitals. schools. hotels. shopping centers. data processing centers. public transportation premises. tunnels and power plants.



## TEKNİK ÖZELLİKLER TECHNICAL DATA

## N2XH FE 180

### N2XH FE 180 (0.6/kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel

1X10 rm	8.15	77	89	1.83	135	1000	R 600
1X16 rm	9.15	102	115	1.15	193	1000	R 700
1X25 rm	10.95	138	148	0.727	289	1000	R 800
1X35 rm	12.05	170	177	0.524	380	1000	R 800
1X50 rm	13.646	207	209	0.387	502	1000	R 900
1X70 rm	15.674	263	256	0.268	710	1000	R 1000
1X95 rm	17.65	325	307	0.198	957	1000	R 1000
1X120 rm	19.158	380	349	0.153	1189	1000	R 1100
1X150 rm	21.238	437	393	0.124	1460	1000	R 1100
1X185 rm	23.89	507	445	0.0991	1838	1000	R 1300
1X240 rm	26.75	604	517	0.0754	2382	1000	R 1400
1X300 rm	28.882	697	663	0.0601	2868	1000	R 1500
2X1.5 re	9.85	24	31	12.1	150	1000	R 700
2X2.5 re	10.55	32	40	7.41	182	1000	R 700
2X4 re	11.55	42	52	4.61	232	1000	R 800
2X6 re	12.658	53	64	3.08	294	1000	R 800
2X10 rm	15.154	74	86	1.83	454	1000	R 1000
2X16 rm	17.234	98	112	1.15	630	1000	R 1000
2X25 rm	20.978	133	145	0.727	949	1000	R 1100
2X35 rm	23.266	162	174	0.524	1043	1000	R 1300
3X1.5 re	10.36	24	31	12.1	183	1000	R 700
3X2.5 re	11.12	32	40	7.41	225	1000	R 800
3X4 re	12.20	42	52	4.61	290	1000	R 800
3X6 re	13.31	53	64	3.08	369	1000	R 900
3X10 rm	15.89	74	86	1.83	547	1000	R 1000
3X16 rm	18.14	98	112	1.15	764	1000	R 1100
3X25 rm	22.18	133	145	0.727	1171	1000	R 1200
3X35 rm	24.66	162	174	0.524	1519	1000	R 1400
3X50 rm	28.14	197	206	0.387	2002	1000	R 1500
3X70 rm	33.45	250	254	0.268	2871	1000	R 1600
3X95 rm	37.83	308	305	0.198	3805	1000	R 1700
3X120 rm	41.08	359	348	0.153	4673	500	R 1500
3X150 rm	45.58	412	392	0.124	5760	500	R 1600
3X185 rm	51.30	475	444	0.0991	7276	500	R 1700
3X240 rm	57.48	564	517	0.0754	9333	250	R 1500
3X300 rm	62.09	649	585	0.0754	11105	250	R 1500

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## N2XH FE 180

### N2XH FE 180 (0.6/kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel

1X10 rm	8.15	77	89	1.83	135	1000	R 600
1X16 rm	9.15	102	115	1.15	193	1000	R 700
1X25 rm	10.95	138	148	0.727	289	1000	R 800
1X35 rm	12.05	170	177	0.524	380	1000	R 800
1X50 rm	13.646	207	209	0.387	502	1000	R 900
1X70 rm	15.674	263	256	0.268	710	1000	R 1000
1X95 rm	17.65	325	307	0.198	957	1000	R 1000
1X120 rm	19.158	380	349	0.153	1189	1000	R 1100
1X150 rm	21.238	437	393	0.124	1460	1000	R 1100
1X185 rm	23.89	507	445	0.0991	1838	1000	R 1300
1X240 rm	26.75	604	517	0.0754	2382	1000	R 1400
1X300 rm	28.882	697	663	0.0601	2868	1000	R 1500
2X1.5 re	9.85	24	31	12.1	150	1000	R 700
2X2.5 re	10.55	32	40	7.41	182	1000	R 700
2X4 re	11.55	42	52	4.61	232	1000	R 800
2X6 re	12.658	53	64	3.08	294	1000	R 800
2X10 rm	15.154	74	86	1.83	454	1000	R 1000
2X16 rm	17.234	98	112	1.15	630	1000	R 1000
2X25 rm	20.978	133	145	0.727	949	1000	R 1100
2X35 rm	23.266	162	174	0.524	1043	1000	R 1300
3X1.5 re	10.36	24	31	12.1	183	1000	R 700
3X2.5 re	11.12	32	40	7.41	225	1000	R 800
3X4 re	12.20	42	52	4.61	290	1000	R 800
3X6 re	13.31	53	64	3.08	369	1000	R 900
3X10 rm	15.89	74	86	1.83	547	1000	R 1000
3X16 rm	18.14	98	112	1.15	764	1000	R 1100
3X25 rm	22.18	133	145	0.727	1171	1000	R 1200
3X35 rm	24.66	162	174	0.524	1519	1000	R 1400
3X50 rm	28.14	197	206	0.387	2002	1000	R 1500
3X70 rm	33.45	250	254	0.268	2871	1000	R 1600
3X95 rm	37.83	308	305	0.198	3805	1000	R 1700
3X120 rm	41.08	359	348	0.153	4673	500	R 1500
3X150 rm	45.58	412	392	0.124	5760	500	R 1600
3X185 rm	51.30	475	444	0.0991	7276	500	R 1700
3X240 rm	57.48	564	517	0.0754	9333	250	R 1500
3X300 rm	62.09	649	585	0.0754	11105	250	R 1500

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## N2XH FE 180

### N2XH FE 180 (0.6/kV)

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kangal/Coil R: Makara/Reel
4X1.5 re	11.14	24	31	12.10	211	1000	R 800
4X2.5 re	11.99	32	40	7.41	264	1000	R 800
4X4 re	13.19	42	52	4.61	345	1000	R 800
4X6 re	14.46	53	64	3.08	444	1000	R 900
4X10 rm	17.97	74	86	1.83	694	1000	R 1100
4X16 rm	20.54	98	112	1.15	975	1000	R 1100
4X25 rm	25.39	133	145	0.727	1518	1000	R 1400
4X35 rm	28.25	162	174	0.524	1966	1000	R 1500
4X50 rm	32.11	197	206	0.387	2586	1000	R 1600
4X70 rm	37.05	250	254	0.268	3609	1000	R 1800
4X95 rm	41.81	308	305	0.198	4778	500	R 1500
4X120 rm	45.45	359	348	0.153	5888	500	R 1500
4X150 rm	50.53	412	392	0.124	7275	500	R 1700
4X185 rm	56.88	475	444	0.0991	9189	250	R 1500
4X240 rm	63.77	564	517	0.0754	11808	250	R 1600
5X1.5 re	12.93	24	31	12.10	282	1000	R 800
5X2.5 re	14.04	32	40	7.41	354	1000	R 900
5X4 re	15.39	42	52	4.61	458	1000	R 1000
5X6 re	16.82	53	64	3.08	585	1000	R 1000
5X10 rm	20.04	74	86	1.83	867	1000	R 1100
5X16 rm	22.90	98	112	1.15	1218	1000	R 1300
5X25 rm	27.85	133	145	0.727	1864	1000	R 1500
5X35 rm	31.45	162	174	0.524	2455	1000	R 1600
5X50 rm	35.34	197	206	0.387	3191	1000	R 1700
5X70 rm	40.86	250	254	0.268	4464	500	R 1500
5X95 rm	46.17	308	305	0.198	5920	500	R 1600
5X120 rm	50.24	359	348	0.153	7303	500	R 1700
5X150 rm	55.90	412	392	0.124	9031	500	R 1800
5X185 rm	62.98	475	444	0.0991	11417	250	R 1600
5X240 rm	70.68	564	517	0.0754	14685	250	R 1700
3X16+10 rm	19.95	98	112	1.15/1.83	826	1000	R 1100
3X25+16 rm	24.39	133	145	0.727/1.15	1269	1000	R 1400
3X35+16 rm	26.47	162	174	0.524/1.15	1611	1000	R 1400
3X50+25 rm	30.52	197	206	0.387/0.727	2165	1000	R 1500
3X70+35 rm	34.21	250	254	0.268/0.524	2969	1000	R 1700
3X95+50 rm	39.46	308	305	0.193/0.387	4029	500	R 1500
3X120+70 rm	43.42	359	348	0.153/0.268	5078	500	R 1500
3X150+70 rm	47.20	412	392	0.124/0.268	6058	500	R 1600
3X185+95 rm	53.21	475	444	0.0991/0.193	7706	500	R 1800
3X240+120 rm	58.40	564	517	0.754/0.153	9804	250	R 1500

## BORWELD (WELDING CABLE)



- 1) Elektrolit Tavlı Özel Bakır  
Electrolytic/Tinned Annealed  
Special Copper.
- 2) İzole NBR PVC  
Insulation. NBR PVC (Natural)
- 3) Kılıf NBR PVC Geliştirilmiş esneklik.  
UV ışınlarına dayanıklı.  
NBR PVC Sheath. Improved  
Flexibility. UV resistant.

K : İnce Telli Bükülgen Bakır  
K : Fine Wired Flexible Copper



### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: - 40 °C ~ +80 °C
Test gerilimi (AC)	: 4 kV
Minimum Bükme Yarı Çapı	: 6xD
Anma Gerilimi	: 600V

### KULLANIM ALANLARI

Kuru, ıslak ve yağlı ortam da esnek kullanım için uygundur. Montaj hatları, konveyör sistemleri, otomobil üretim, gemi inşa, manuel ve otomatik olarak çalışan hat ve nokta kaynaklı makinelerde kullanılır.

### TECHNICAL DATA

Permissible operating temperature	: - 40 °C ~ +80 °C
Test Voltage (AC)	: 4 kV
Minimum Bending Radius	: 6xD
Rated Voltage	: 600V

### USAGE AREAS

Suitable for flexible use in dry, wet and oil environment. Areas: assembly lines, conveyor systems, motor car manufacturing, ship building, for manually and automatically operated line and spot welding.

### TEKNİK ÖZELLİKLER / TECHNICAL DATA

Nominal Kesit Rated Cross-section	Bakır İletken Copper Conductor	Ortalama Dış Çap Approx. Overall diameter	Yaklaşık Net Ağırlık Approx. Net Weight
mm <sup>2</sup>	ad. x mm	mm	kg/km
10	class 6	8.80	158.25
16	class 6	9.85	220.63
25	class 6	11.40	314.17
35	class 6	12.55	412.29
50	class 6	14.45	548.11
70	class 6	16.50	752.12
95	class 6	19.10	1032.01
120	class 6	20.75	1284.59
150	class 6	22.60	1518.54
185	class 6	26.50	1979.21
240	class 6	31.65	2634.51
300	class 6	34.95	3251.98



- 1) Sınıf 6 Bükülü Çıplak Bakır  
Teller IEC 60228  
Class 6 Stranded Plain Copper  
Wires IEC 60228
- 2) Özel PVC  
Special PVC
- 3) Şeffaf PVC  
Transparent PVC

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: + 70°C
Test gerilimi (AC)	: 4 kV
Anma gerilimi	: 0.6/1kV

### KULLANIM ALANLARI

Akü ve jeneratör bağlantı kablosu olarak kullanılır.

### TECHNICAL DATA

Permissible operating temperature	: + 70°C
Test Voltage (AC)	: 4 kV

### USAGE AREAS

The battery and generator is used as a connection cable.

K : İnce Telli Bükülgen Bakır  
K : Fine Wired Flexible Copper



### TEKNİK ÖZELLİKLER / TECHNICAL DATA

Nominal Kesit Rated Cross-section mm <sup>2</sup>	Bakır İletken Copper Conductor ad. x mm	Ortalama Dış Çap Approx. Overall diameter mm	Yaklaşık Net Ağırlık Approx. Net Weight kg/km
4	class 6	5.90 x 12.95	142
6	class 6	6.50 x 14.15	188
10	class 6	7.40 x 15.95	268
16	class 6	8.40 x 17.95	384
25	class 6	10.30 x 21.75	578
35	class 6	11.40 x 23.95	764
50	class 6	13.20 x 27.55	1011

# HI-FLEX



- 1) İnce Telli Bükülgen Bakır  
Fine Wired Flexible Copper
- 2) Özel PVC İzole  
Special PVC Insulation
- 3) Kılıf Özel PVC  
Special PVC Sheath

## TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: +80 °C
Test gerilimi (AC)	: 2 / 2.5 kV
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 450/750V

## KULLANIM ALANLARI

Zorlu çalışma alanları için tasarlanan düşük voltajlı uygulamalar ve marin uygulamaları için ekstra esnek PVC - RUBBER akü pil kablosu. Kaynak kablosu olarak da kullanılabilir.

## TECHNICAL DATA

Permissible operating temperature	: +80 °C
Test Voltage (AC)	: 2 / 2.5 kV
Minimum Bending Radius	: 12xD
Rated Voltage	: 450/750V

## USAGE AREAS

Extra flexible PVC/ RUBBER alloy battery cable designed for tough working environments and suitable for low voltage auto and marine applications. Can also be used as welding cable.

## TEKNİK ÖZELLİKLER / TECHNICAL DATA

Nominal Kesit Rated Cross-section mm <sup>2</sup>	Bakır İletken Copper Conductor ad. x mm	Ortalama Dış Çap Approx. Overall diameter mm	Yaklaşık Net Ağırlık Approx. Net Weight kg/km
10	class 6	8.00	137
16	class 6	9.05	195
25	class 6	10.20	277
35	class 6	11.35	371
50	class 6	13.05	518
70	class 6	15.10	722
95	class 6	17.55	968
120	class 6	19.15	1209
150	class 6	20.60	1502
185	class 6	24.30	1847
240	class 6	29.05	2417
300	class 6	32.00	2980



- 1) Örgülü Bakır  
Stranded Copper
- 2) XLPE İzole  
XLPE Insulation
- 3) HFFR İç Kılıf  
HFFR Inner Sheath
- 4) Konsantrik Bakır İletken  
Concentric Copper Conductors
- 5) Bakır Bant  
Copper Band
- 6) HFFR Kılıf  
HFFR Sheath

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 90 °C
Kısa devre sıcaklığı	: 250 °C
Çalışma gerilimi(AC)	: 1.8/ 2 kV
Serim sıcaklığı min	: 5°C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 1.8/3(3.6)kV

### TECHNICAL DATA

Permissible operating temperature	: 90 °C
Short circuit temperature	: 250 °C
Operating Voltage (AC)	: 1.8/ 2 kV
Installation temperature minimum	: 5°C
Minimum Bending Radius	: 12xD
Rated Voltage	: 1.8/3(3.6)kV

### TEKNİK ÖZELLİKLER / TECHNICAL DATA

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Ortalama Dış Çap	Yaklaşık Net Ağırlık
Rated Cross-section	Overall Diameter of Cable (Approx)	Approx. Overall diameter	Approx. Net Weight
mm <sup>2</sup>	mm	mm	kg/km
1 x 95 / 16	24.27	0.198	1352.11
1 x 120 / 16	25.49	0.153	1596.554
1 x 150 / 25	27.09	0.124	1955.605
1 x 185 / 25	29.26	0.0991	2329.99
1 x 240 / 25	31.9	0.0754	2907.106
1 x 300 / 25	33.60	0.0601	3470
1 x 400 / 35	28.23	0.047	4477.816
1 x 500 / 35	42.44	0.0366	5582.953

# PVC İzoleli Çok Damarlı Tesisat Kabloları

## PVC Insulated Multi Core Installation Cables

# CYKY



- 1) Som veya Örgülü Bakır  
Solid or Stranded Copper
- 2) İzole PVC  
PVC İnsulation
- 3) Kılıf PVC  
PVC Sheath

## TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: - 30 °C ~ +70 °C
Kısa devre sıcaklığı	: 70 °C
Test gerilimi (AC)	: 2-2.5 kV
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 450/750V

## KULLANIM ALANLARI

Kablo, iç ve dış mekanlarda zemin veya beton içinde sabit montaj için tasarlanmıştır. Ürünün montajı sadece eğitimli ve elektrik işleri için nitelikli personel tarafından yapılmalıdır. Ürün tanınan standartlara uygun olarak tasarlanmıştır. Montaj için geçerli olan kurallar her zaman uygulanmalıdır.

## TECHNICAL DATA

Permissible operating temperature	: - 30 °C ~ +70 °C
Short circuit temperature	: 70 °C
Test Voltage (AC)	: 2-2.5 kV
Minimum Bending Radius	: 12xD
Rated Voltage	: 450/750V

## USAGE AREAS

The cable is designed for fixed installation, indoors and outdoors, in the ground and in concrete. Installation of the product should only be carried out by personnel trained and qualified for electrical works. The product is designed according to recognized standards. Applicable rules of installation must be applied at all times.

Rm : Çok Tellî Yuvarlak İletken  
Rm : Multi Wire Round Conductor



70°C

Max. işletme sıcaklığı  
Max. Operating temperature

160°C

Kısa devre sıcaklığı  
Short circuit temperature



Test Gerilimi  
(AC) 4 kV  
Test Voltage  
(AC) 4 kV



Alev dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Örgülü  
Stranded



Som  
Solid



Serim sıcaklığı  
minimum 5°C  
Installation temperature  
min 5°C



Dağıtım panoları  
Distribution panels



Boru içinde  
In conduit



Açıkta  
Outdoor



Beton içinde  
In concrete



Toprak altında  
Direct buried



Endüstriyel tesisat  
Industrial installations

## TEKNİK ÖZELLİKLER TECHNICAL DATA

# CYKY

### CYKY (450/750V)

Nominal Kesit	Bakır İletken	Ortalama Dış Çap	Yaklaşık Net Ağırlık
Rated Cross-section	Copper Conductor	Approx. Overall diameter	Approx. Net Weight
mm <sup>2</sup>		mm	kg/km
2 x 1.5	class 1	8.30	106.09
2 x 2.5	class 1	9.60	148.59
2 x 4	class 1	10.40	190.33
2 x 6	class 1	12.60	279.23
2 x 10	class 2	15.80	446.08
3 x 1.5	class 1	8.74	124.66
3 x 2.5	class 1	10.04	174.46
3 x 4	class 1	11.01	232.26
3 x 6	class 1	13.35	341.15
3 x 10	class 2	16.34	531.04
3 x 16	class 2	18.80	760.61
4 x 1.5	class 1	9.46	148.69
4 x 2.5	class 1	10.91	210.40
4 x 4	class 1	12.40	295.10
4 x 6	class 1	14.97	432.63
4 x 10	class 2	17.88	652.35
4 x 16	class 2	20.98	960.31
5 x 1.5	class 2	10.23	174.24
5 x 2.5	class 1	12.25	259.87
5 x 4	class 1	13.86	364.46
5 x 6	class 1	16.29	514.15
5 x 10	class 2	19.93	798.62
5 x 16	class 2	23.10	1183.59
7 x 1.5	class 1	11.05	219.40
7 x 2.5	class 1	13.25	329.52
7 x 4	class 1	14.60	450.61
12 x 1.5	class 1	15.44	416.98
12 x 2.5	class 1	18.34	615.55
12 x 4	class 1	20.21	834.34
19 x 1.5	class 1	18.15	599.97
19 x 2.5	class 1	21.15	869.72
24 x 1.5	class 1	20.35	757.86
24 x 2.5	class 1	24.23	1128.31

# EPR Yalıtımlı Ve Poliüretan ( PUR) Kılıflı Bükülgen Kablo

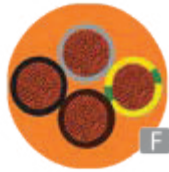
## EPR Insulated And Polyurethane(PUR) Sheathed Flexible Cable

### H07BQ - F



- 1) Elektrolitik tavlı, sınıf 5 bükülü çıplak bakır teller  
Electrolytic annealed, class 5 stranded plain copper wires.
- 2) İzole EPR  
Insulation EPR
- 3) Kılıf PUR  
Sheath PUR

F : İnce Telli Bükülgen Bakır  
F : Fine Wired Flexible Copper



**STANDARD**  
EN 505 25-2-21

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: +90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 2 / 2.5V
En düşük tesisat sıcaklığı	: -40 °C
Minimum Bükme Yarı Çapı	: 12xD
Anma gerilimi	: 450/750V

### KULLANIM ALANLARI

Zirai işyerleri, tersaneler, soğuk hava depoları veya mutfaqlarda, ekstra esneklik gerektiren sabit yada taşınabilir ekipmanlarının bağlantılarında kullanılır. Yanma esnasında alevi iletmez ve kendiliğinden sönerler.

### TECHNICAL DATA

Permissible operating temperature	: +90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 2 / 2.5V
Minimum installation temperature	: -40 °C
Minimum Bending Radius	: 12xD
Rated Voltage	: 450/750V

### USAGE AREAS

These cables are used for fixed and mobile equipment connections in workshops such as agricultural applications, shipyards, cold storages and kitchens. It's flame retardant and self extinguishes during fire.

**90°C**  
Max. işletme sıcaklığı  
Max. Operating temperature

**160°C**  
Kısa devre sıcaklığı  
Short circuit temperature

**Test Gerilimi (AC)**  
2 kV- 2.5 kV  
Test Voltage (AC)  
2 kV - 2.5 kV

**Aleve dayanıklılık**  
Flame retardant  
IEC 60332-1

**Pb**  
Kurşunsuz  
Lead-free

**Bükülgen**  
Flexible

**Yüksek ısıya dayanıklı**  
High temperature resistant

**Serim sıcaklığı**  
minimum 5°C  
Installation temperature  
min 5°C

**Dağıtım panoları**  
Distribution panels

**Boru içinde**  
In conduit

**Açıkta**  
Outdoor

**Beton içinde**  
In concrete

## TEKNİK ÖZELLİKLER TECHNICAL DATA

## H07BQ - F

### H07BQ - F (450/750V)

Nominal Kesit	Bakır İletken	Ortalama Dış Çap	Yaklaşık Net Ağırlık
Rated Cross-section	Copper Conductor	Approx. Overall diameter	Approx. Net Weight
mm <sup>2</sup>	ad. x mm	mm	kg/km

2 x 1.5	class 5	8.40	86.37
2 x 2.5	class 5	9.90	125.43
2 x 4	class 5	11.60	179.65
2 x 6	class 5	13.00	238.91
2 x 10	class 5	17.00	410.10
2 x 16	class 5	19.30	568.96
3 x 1.5	class 5	8.91	103.00
3 x 2.5	class 5	10.52	151.52
3 x 4	class 5	12.34	219.54
3 x 6	class 5	14.03	301.46
3 x 10	class 5	18.24	513.82
3 x 16	class 5	20.91	731.20
4 x 1.5	class 5	9.94	130.28
4 x 2.5	class 5	11.72	191.81
4 x 4	class 5	13.73	278.31
4 x 6	class 5	15.58	382.18
4 x 10	class 5	20.13	646.51
4 x 16	class 5	22.87	914.84
5 x 1.5	class 5	10.84	156.72
5 x 2.5	class 5	13.00	237.01
5 x 4	class 5	15.22	343.81
5 x 6	class 5	17.24	471.33
5x10	class 5	22.15	792.15
5x16	class 5	25.39	1134.04

# HIFLEX SPEAKER



- 1) İnce Telli Bükülgen Bakır  
Fine Wired Flexible Copper
- 2) İzole PVC  
insulation PVC
- 3) Hiflex kılıf PVC  
Special sheath PVC

## TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: -45 °C / +70 °C
Test gerilimi (AC)	: 2 / 2.5 kV
Minimum Bükme Yarı Çapı	: 12xD

## KULLANIM ALANLARI

Birçok ses uygulamaları için kullanımı uygundur.  
Kablo genellikle sabit uygulamalarda kullanılmaktadır.

## TECHNICAL DATA

Permissible operating temperature	: -45 °C / +70 °C
Test Voltage (AC)	: 2 / 2.5 kV
Minimum Bending Radius	: 12xD

## USAGE AREAS

Suitable for many audio applications but they can also be used for fixed PA applications where the cable is usually installed.

## TEKNİK ÖZELLİKLER / TECHNICAL DATA

Nominal Kesit Rated Cross-section	Bakır İletken Copper Conductor	Ortalama Dış Çap Approx. Overall diameter	Yaklaşık Net Ağırlık Approx. Net Weight
mm <sup>2</sup>	ad. x mm	mm	kg/km
2 x 0.50	class 5	5.00	35.87
2 x 0.75	class 5	6.20	54.91
2 x 1	class 5	6.60	64.15
2 x 1.5	class 5	7.50	84.76
2 x 2.5	class 5	9.10	128.38
2 x 4	class 5	10.30	174.30
4 x 0.50	class 5	5.80	52.43
4 x 0.75	class 5	7.17	79.74
4 x 1	class 5	7.85	98.26
4 x 1.5	class 5	9.14	135.38
4 x 2.5	class 5	10.79	198.82
4 x 4	class 5	12.20	274.00

## FG7OR 0.6/1 Kv



- 1) İnce ve Çok Tellli Bükülgen Bakır  
Fine and Multiple Wired  
FlexibleCopper
- 2) Kauçuk G7 İzole  
HEPR G7 Insulation
- 3) PVC Dolgu (Çok Damarlılarda)  
PVC Filler (Multi Conductor)
- 4) PVC Kılıf (Rz kalitesi)  
PVC Sheath (Rz quality)

F : İnce Tellli Bükülgen Bakır  
F : Fine Wired Flexible Copper



**STANDARD**  
CEI 20 - 13

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: -15°C - 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 6xD

### KULLANIM ALANLARI

Islak ortamlarda iç veya dış mekanlarda kullanıma uygundur. Duvarlarda ve / veya metal yapılarda, havada, boru içlerinde veya benzer sistemlerde uygulanabilir. Yeraltında döşenmesi için de uygundur.

### TECHNICAL DATA

Permissible operating temperature	: -15°C - 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending RadiusIslak	: 6xD

### USAGE AREAS

Suitable to be used indoor or outdoor, even in wet environments; it can be fixed on walls and/or metal structures, free in air, inside pipes or similar systems. Suitable also for laying underground.



## TEKNİK ÖZELLİKLER TECHNICAL DATA

## FG7OR 0.6/1 Kv

### FG7OR 0.6/1 Kv

Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kargal/Coil R: Makara/Reel
1 x 2.5	6,4	33	41	7,98	60	1000	R 500
1 x 4	6,45	45	53	4,95	72	1000	R 500
1 x 6	7,5	58	66	3,3	99	1000	R 500
1 x 10	8,2	80	87	1,91	139	1000	R 500
1 x 16	9,2	107	113	1,21	196	1000	R 600
1 x 25	11,15	138	144	0,78	293	1000	R 700
1 x 35	12,35	169	174	0,554	388	1000	R 800
1 x 50	14,05	207	206	0,386	533	1000	R 900
1 x 70	16,8	268	254	0,272	731	1000	R 1000
1 x 95	18,75	328	301	0,206	944	1000	R 1100
1 x 120	20,85	382	343	0,161	1202	1000	R 1100
1 x 150	23,1	441	387	0,129	1488	1000	R 1200
1 x 185	25,25	506	434	0,106	1796	1000	R 1300
1 x 240	29,55	599	501	0,08001	2407	1000	R 1400
1 x 300	31,45	693	565	0,0641	2903	1000	R 1400
2 x 1.5	10,65	24	31	13,3	152	1000	R 600
2 x 2.5	11,45	33	41	7,98	185	1000	R 800
2 x 4	12,55	45	53	4,95	235	1000	R 800
2 x 6	14,15	58	66	3,3	310	1000	R 900
2 x 10	16,35	80	87	1,91	448	1000	R 1000
2 x 16	18,35	107	113	1,21	606	1000	R 1100
2 x 25	22,25	138	144	0,78	902	1000	R 1200
3 x 1.5	11,13	24	31	13,3	170	1000	R 800
3 x 2.5	11,994	33	41	7,98	211	1000	R 800
3 x 4	13,182	45	53	4,95	273	1000	R 900
3 x 6	14,586	58	66	3,3	354	1000	R 900
3 x 10	16,206	80	87	1,91	495	1000	R 1000
3 x 16	18,366	107	113	1,21	694	1000	R 1100
3 x 25	22,578	138	144	0,78	1053	1000	R 1300
3 x 35	25,17	169	174	0,554	1400	1000	R 1300
3 x 50	29,242	207	206	0,386	1948	500	R 1200
3 x 70	35,882	268	254	0,272	2821	500	R 1400
3 x 95	40,362	328	301	0,206	3651	500	R 1400
3 x 120	45,498	382	343	0,161	4694	500	R 1500
3 x 150	50,326	441	387	0,129	5787	500	R 1500
3 x 185	55,57	506	434	0,106	6995	500	R 1900
3 x 240	64,826	599	501	0,08001	9222	500	R 2300

## FG7OR 0.6/1 Kv



- 1) İnce ve Çok Telli Bükülgen Bakır  
Fine and Multiple Wired  
FlexibleCopper
- 2) Kauçuk G7 İzole  
HEPR G7 Insulation
- 3) PVC Dolgu (Çok Damarlılarda)  
PVC Filler (Multi Conductor)
- 4) PVC Kılıf (Rz kalitesi)  
PVC Sheath (Rz quality)

F : İnce Telli Bükülgen Bakır  
F : Fine Wired Flexible Copper



**STANDARD**  
CEI 20 - 13

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: -15°C - 90 °C
Kısa devre sıcaklığı	: 250 °C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 6xD

### KULLANIM ALANLARI

Islak ortamlarda iç veya dış mekanlarda kullanıma uygundur. Duvarlarda ve / veya metal yapılarda, havada, boru içlerinde veya benzer sistemlerde uygulanabilir. Yeraltında döşenmesi için de uygundur.

### TECHNICAL DATA

Permissible operating temperature	: -15°C - 90 °C
Short circuit temperature	: 250 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 6xD

### USAGE AREAS

Suitable to be used indoor or outdoor, even in wet environments; it can be fixed on walls and/or metal structures, free in air, inside pipes or similar systems. Suitable also for laying underground.



## TEKNİK ÖZELLİKLER TECHNICAL DATA

## FG7OR 0.6/1 Kv

### FG7OR 0.6/1 Kv

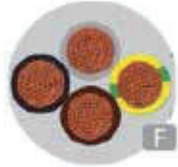
Nominal Kesit	Kablo Dış Çapı(Yaklaşık)	Akım Taşıma Kapasitesi		İletken DC Direnci (20°C)	Net Ağırlık (Yaklaşık)	Ambalaj miktarı	Ambalaj
		Havada	Toprakta				
Rated Cross-section	Overall Diameter of Cable (Approx)	Current Carrying Capacity in		Conductor DC Resistance at 20°C	Net Weight (Approx)	Amount of Packing	Packing
mm <sup>2</sup>	mm	Air	Ground	ohm / km	kg / km	m	C: Kanga/Coil R: Makara/Reel
4 x 1.5	11,91	24	31	13,3	195	1000	R 700
4 x 2.5	12,878	33	41	7,98	247	1000	R 800
4 x 4	14,209	45	53	4,95	323	1000	R 900
4 x 6	15,782	58	66	3,3	424	1000	R 1000
4 x 10	18,197	80	87	1,91	630	1000	R 1100
4 x 16	20,617	107	113	1,21	885	1000	R 1100
4 x 25	25,736	138	144	0,78	1366	1000	R 1200
4 x 35	28,64	169	174	0,554	1813	500	R 1200
4 x 50	32,954	207	206	0,386	2496	500	R 1400
4 x 70	39,809	268	254	0,272	3543	500	R 1400
4 x 95	44,244	328	301	0,206	4529	500	R 1500
4 x 120	49,526	382	343	0,161	5781	500	R 1500
4 x 150	54,887	441	387	0,129	7146	500	R 1900
4 x 185	60,49	506	434	0,106	8611	500	R 2300
4 x 240	70,812	599	501	0,08001	11360	300	R 1900
5 x 1.5	13,75	24	31	13,3	256	1000	R 900
5 x 2.5	14,83	33	41	7,98	320	1000	R 900
5 x 4	16,315	45	53	4,95	416	1000	R 1000
5 x 6	18,07	58	66	3,3	541	1000	R 1100
5 x 10	20,095	80	87	1,91	762	1000	R 1100
5 x 16	22,795	107	113	1,21	1075	1000	R 1200
5 x 25	28,06	138	144	0,78	1626	500	R 1200
5 x 35	31,7	169	174	0,554	2202	500	R 1400
5 x 50	36,29	207	206	0,386	3013	500	R 1400
5 x 70	43,915	268	254	0,272	4275	500	R 1500
5 x 95	48,84	328	301	0,206	5474	500	R 1500
5 x 120	54,71	382	343	0,161	6993	500	R 1900
5 x 150	60,445	441	387	0,129	8617	500	R 2300
5 x 185	66,65	506	434	0,106	10383	300	R 1900
5 x 240	78,12	599	501	0,08001	13689	300	R 2100
7 x 1.5	14,65	24	31	13,3	308	1000	R 900
7 x 2.5	15,85	33	41	7,98	393	1000	R 1000
10 x 1.5	17,65	24	31	13,3	448	1000	R 1100
10 x 2.5	19,25	33	41	7,98	579	1000	R 1100
12 x 1.5	18,13	24	31	13,3	481	1000	R 1100
12 x 2.5	19,794	33	41	7,98	628	1000	R 1100
14 x 1.5	18,13	24	31	13,3	492	1000	R 1100
14 x 2.5	19,794	33	41	7,98	650	1000	R 1100
19 x 1.5	20,65	24	31	13,3	645	1000	R 1100
19 x 2.5	22,65	33	41	7,98	860	1000	R 1200
16 x 1.5	19,75	24	31	13,3	582	1000	R 1100
24 x 1.5	23,05	24	31	13,3	806	1000	R 1200

## FROR 450/750 V



- 1) İnce ve Çok Telli Bükülgen Bakır  
Fine and Multiple Wired Flexible  
Copper
- 2) PVC İzole  
PVC Insulation
- 3) PVC Dolgu (Çok Damarlılarda)  
PVC Filler (Multi Conductor)
- 4) PVC Kılıf (Rz kalitesi)  
PVC Sheath (Rz quality)

F : İnce Telli Bükülgen Bakır  
F : Fine Wired Flexible Copper



**STANDARD**  
CEI 20-22 II

### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: 70 °C
Kısa devre sıcaklığı	: 160° C
Test gerilimi (AC)	: 4 kV
Serim sıcaklığı min	: 5 °C
Minimum Bükme Yarı Çapı	: 6xD

### KULLANIM ALANLARI

Yangın geciktirici özellikleri (anma gerilimi 450/750) sayesinde bu kablo, bulunduğu yerdeki sabit veya hareketli bağlantılar için uygundur. Bu kablunun halka açık gösteri ve eğlence alanlarında ve sivil binalarda kullanılması önerilir. Kuru veya ıslak odalarda ve açık havada veya aralıklı kullanım için açık havada yapılabilir.

### TECHNICAL DATA

Permissible operating temperature	: 70 °C
Short circuit temperature	: 160 °C
Test Voltage (AC)	: 4 kV
Installation temperature minimum	: 5 °C
Minimum Bending Radius	: 6xD

### USAGE AREAS

Thanks to its fire retardant characteristics (rated voltage 450/750), this cable is suitable for fixed or mobile connections in places where the. It is advisable to use this cable in public show and entertainment areas and in civil buildings. Suitable inside dry or wet rooms and outdoors for temporary or intermittent use.



Max. işletme sıcaklığı  
Max. Operating  
temperature



Kısa devre sıcaklığı  
Short circuit  
temperature



Test Gerilimi (AC)  
2 kV- 2.5 kV  
Test Voltage (AC)  
2 kV - 2.5 kV



Aleve dayanıklılık  
Flame retardant  
IEC 60332-1



Kurşunsuz  
Lead-free



Bükülgen  
Flexible



Serim sıcaklığı  
minimum 5°C  
Installation  
temperature  
min 5°C



Dağıtım panoları  
Distribution panels



Boru içinde  
In conduit



Açıkta  
Outdoor



İç tesisat  
Internal wiring



## INSTALL SPEAKER



- 1) İnce Telli Bükülgen Bakır  
Fine Wired Flexible Copper
- 2) İzole PVC  
PVC Insulation
- 3) Kılıf Özel PVC  
Special PVC Sheath



### TEKNİK BİLGİLER

İzin verilen işletme sıcaklığı	: + 70°C
Test gerilimi (AC)	: 2 / 2.5 kV
Minimum Bükme Yarı Çapı	: 12xD

### KULLANIM ALANLARI

Birçok ses uygulamaları için kullanımı uygundur.  
Kablo genellikle sabit uygulamalarda kullanılmaktadır.

### TECHNICAL DATA

Permissible operating temperature	: + 70°C
Test Voltage (AC)	: 2 / 2.5 kV
Minimum Bending Radius	: 12xD

### USAGE AREAS

Suitable for many audio applications but they can also be used for fixed PA applications where the cable is usually installed.

### TEKNİK ÖZELLİKLER / TECHNICAL DATA

Nominal Kesit	Bakır İletken	Ortalama Dış Çap	Yaklaşık Net Ağırlık
Rated Cross-section	Copper Conductor	Approx. Overall diameter	Approx. Net Weight
mm <sup>2</sup>	ad. x mm	mm	kg/km
2 x 0.50	class 5	5.00	35.87
2 x 0.75	class 5	6.20	54.91
2 x 1	class 5	6.60	64.15
2 x 1.5	class 5	7.50	84.76
2 x 2.5	class 5	9.10	128.38
2 x 4	class 5	10.30	174.30
4 x 0.50	class 5	5.80	52.43
4 x 0.75	class 5	7.17	79.74
4 x 1	class 5	7.85	98.26
4 x 1.5	class 5	9.14	135.38
4 x 2.5	class 5	10.79	198.82
4 x 4	class 5	12.20	274.00