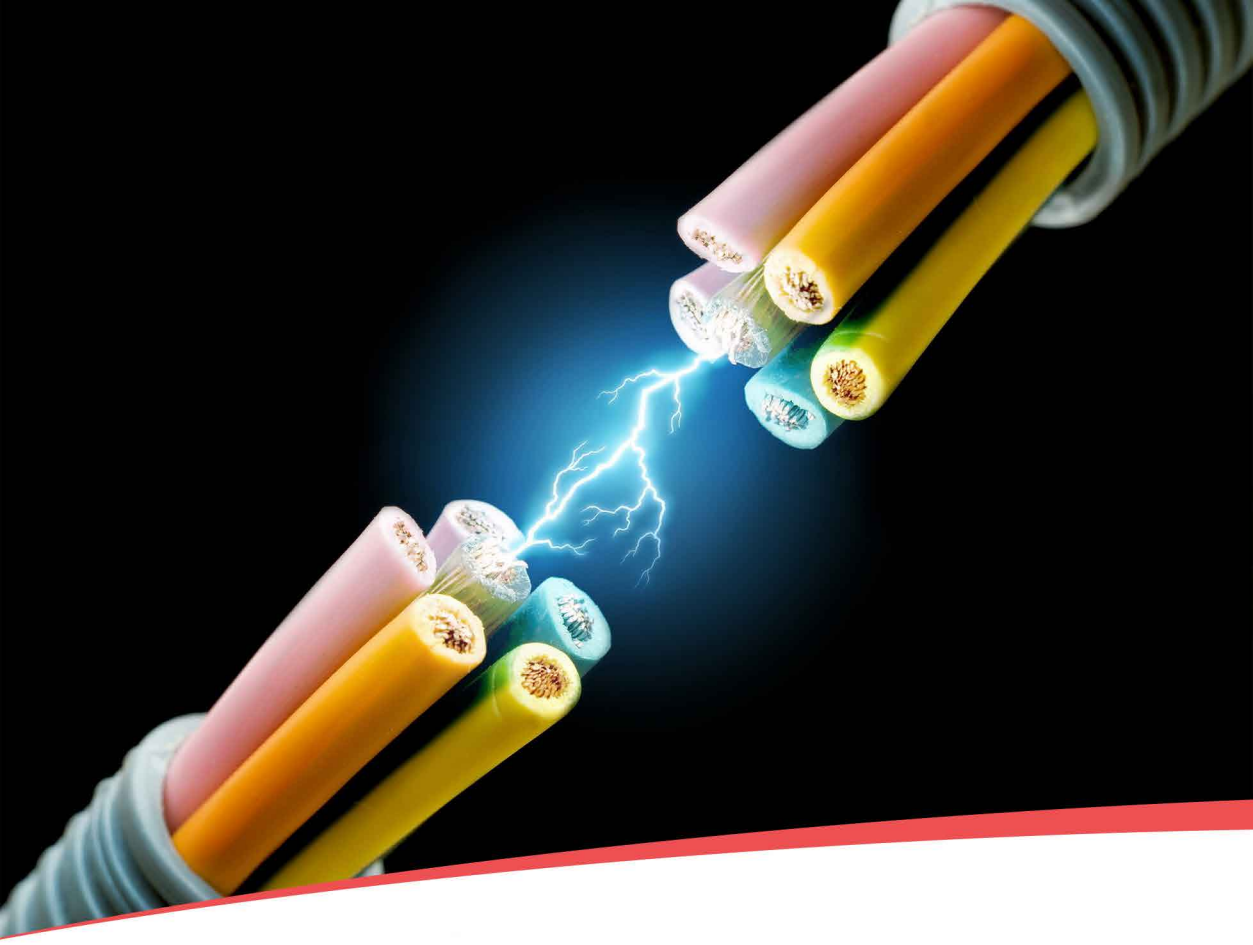


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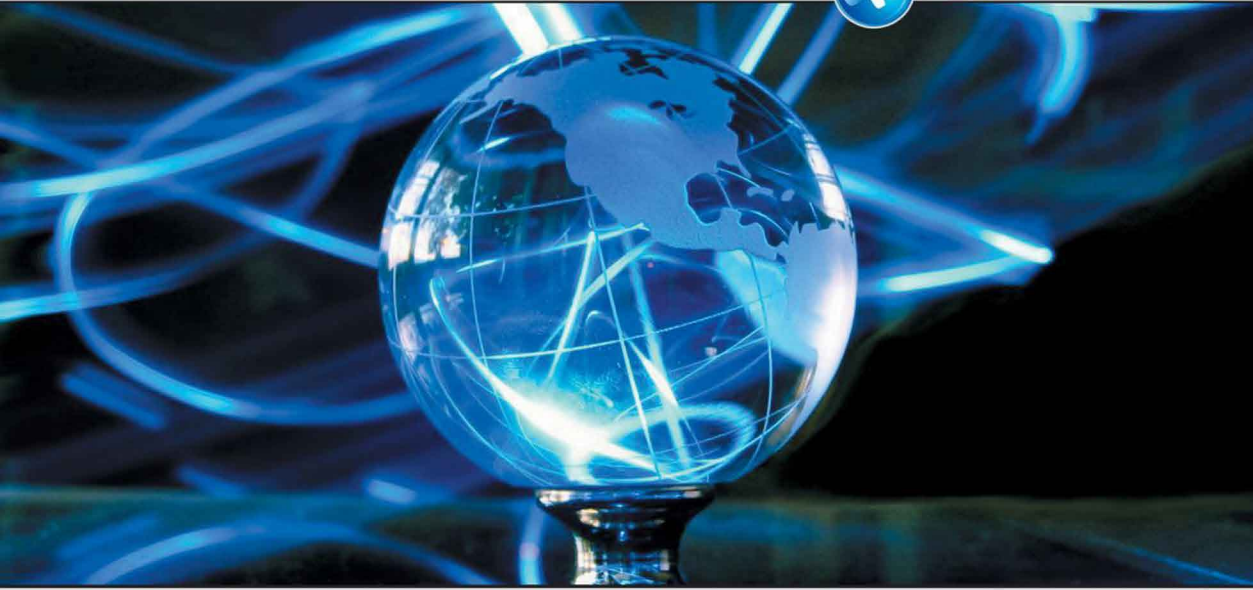
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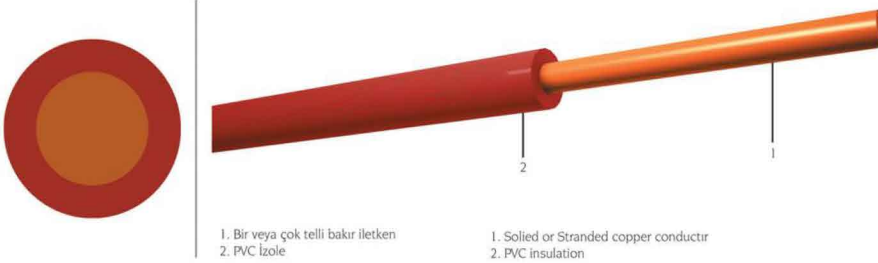
İLETİŞİM BİLGİLERİ

Contact information

PVC İZOLE, KILIFSIZ TEK DAMARLI, BAKIR İLETKENLİ KABLOLAR

PVC INSULATED NON-SHEATED SINGLE CORE CABLES WITH COPPER CONDUCTOR

H05V-U	300 / 500 V	VDE 0281
H07V-U	450 / 750 V	VDE 0281
H07V-R	450 / 750 V	



TEKNİK ÖZELLİKLER

İzin verilen işletme sıcaklığı : 70°C
Kısa devre sıcaklığı : 160°C
Serim Sıcaklığı min. : - 20°C

TECHNICAL DATA

Permissible operating temperature : 70°C
Max.short circuit temp. : 160°C
Installation temp.: -20°C

KULLANIM ALANLARI

Kuru mekanlarda, şalt tesislerde, dağıtım sistemlerinde, işletmelerde aydınlatma ve tesisat kablolu olarak kullanılır.

APPLICATIONS

Used in dry places , switch gear rooms, distribution boards, industrial plants as lighting and building wire

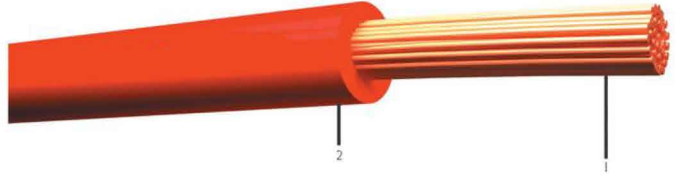
Teknik Özellikler / Technical Features

Normal Kesit	Tip	Kablo Dış Çapı	Akım Taşıma Kapasitesi		İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Type	Overall Diameter Of Cable	Current Carrying Capacity		Conductor DC Resistance at (20 °C)	Net Weight	Delivery Length
mm ²		mm	Havada Alır (A)	Boru İçinde Ground (A)	Ohm / Km	Kg	Mt
0.5	H 05 V-U	2.00	11	-	36.000	8.26	100
0.75	H 05 V-U	2.20	14	-	24.500	10.96	100
1	H 05 V-U	2.30	18	-	18.100	13.35	100
1.5	H 07 V-U	2.80	24	15	12.100	19.89	100
2.5	H 07 V-U	3.40	32	19	7.410	31.10	100
4	H 07 V-U	3.80	42	25	4.610	45.15	100
6	H 07 V-U	4.30	54	33	3.080	63.96	100
10	H 07 V-U	5.50	73	45	1.830	106.50	100
16	H 07 V-U	6.50	98	61	1.150	162.75	100
1.5	H 07 V-R	3.00	24	15	12.100	21.23	100
2.5	H 07 V-R	3.60	32	19	7.410	32.73	100
4	H 07 V-R	4.20	42	25	4.610	48.87	100
6	H 07 V-R	4.80	54	33	3.080	69.26	100
10	H 07 V-R	5.80	73	45	1.830	110.44	100
16	H 07 V-R	6.80	98	61	1.150	167.40	100
25	H 07 V-R	8.30	129	83	0.727	259.39	100 or 1000
35	H 07 V-R	9.40	158	103	0.524	351.95	100 or 1000
50	H 07 V-R	11.00	197	132	0.387	482.00	100 or 1000
70	H 07 V-R	12.60	245	165	0.268	674.17	100 or 1000
95	H 07 V-R	14.80	290	207	0.193	931.24	100 or 1000
120	H 07 V-R	16.20	345	235	0.153	1,158.82	100 or 1000
150	H 07 V-R	18.00	390	-	0.124	1,432.93	100 or 1000
185	H 07 V-R	20.20	445	-	0.099	1,792.03	100 or 1000
240	H 07 V-R	22.90	525	-	0.075	2,336.80	100 or 1000
300	H 07 V-R	25.60	605	-	0.060	2,927.10	100 or 1000
400	H 07 V-R	28.80	725	-	0.047	3,757.31	100 or 1000

PVC İZOLELİ, KILIFSIZ TEK DAMARLI, BUKULGEN BAKIR İLETKENLİ KABLolar

PVC INSULATED NON-SHEATED SINGLE CORE CABLES WITH FLEXIBLE COPPER CONDUCTOR

H05V-K	300 / 500 V	TS 9758	VDE 0281
H07V-K	450 / 750 V	TS 9758	VDE 0281



1. Bükülgen bakır iletken
2. PVC izole

1. Flexible copper conductor
2. PVC insulation

TEKNİK ÖZELLİKLER

İzin verilen işletme sıcaklığı : 70°C
Kısa devre sıcaklığı : 160°C
Test gerilimi (AC) : 2 kV - 2.5 kV
Serim sıcaklığı min : -5°C

TECHNICAL DATA

Permissible operating temperature : 70°C
Max.short circuit temp. : 160°C
Test voltage (AC) : 2 kV - 2.5 kV
Installation temp.min : -5°C

KULLANIM ALANLARI

Bağlantılama ve dağıtım tesisleri.

APPLICATIONS

For connection and distribution systems.

Teknik Özellikler / Technical Features

Normal Kesit	Tip	Kablo Dış Çapı	Akım Taşıma Kapasitesi		İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Type	Overall Diameter Of Cable	Current Carrying Capacity		Conductor DC Resistance at (20 °C)	Net Weight	Delivery Length
mm²		mm	Havada Air (A)	Boru İçinde Ground (A)	Ohm / Km	Kg / Km	Mt
0.5	H 05 V-K	2.200	8	-	39.000	9.03	100
0.75	H 05 V-K	2.300	10	-	26.000	11.26	100
1	H 05 V-K	2.500	16	-	19.500	14.08	100
1.5	H 07 V-K	2.900	24	15	13.300	19.82	100
2.5	H 07 V-K	3.600	32	19	7.980	31.80	100
4	H 07 V-K	4.100	41	25	4.950	46.47	100
6	H 07 V-K	4.600	53	33	3.300	64.99	100
10	H 07 V-K	5.900	72	45	1.910	109.70	100
16	H 07 V-K	7.200	97	61	1.210	169.87	100
25	H 07 V-K	8.900	128	83	0.780	262.38	100 or 1000
35	H 07 V-K	9.900	156	103	0.554	353.41	100 or 1000
50	H 07 V-K	11.800	195	132	0.386	505.22	100 or 1000
70	H 07 V-K	13.300	243	165	0.272	691.47	100 or 1000
95	H 07 V-K	15.300	287	207	0.206	917.44	100 or 1000
120	H 07 V-K	17.400	342	235	0.161	1,175.33	100 or 1000
150	H 07 V-K	19.400	386	-	0.129	1,465.48	100 or 1000
185	H 07 V-K	21.500	441	-	0.106	1,792.02	100 or 1000
240	H 07 V-K	24.500	520	-	0.080	2,554.70	100 or 1000
300	H 07 V-K	27.300	605	-	0.064	2,932.36	100 or 1000
400	H 07 V-K	31.000	725	-	0.049	3,848.44	100 or 1000

PVC İZOLELİ, ÇOK DAMARLI, BAKIR İLETKENLİ KABLolar

PVC INSULATED MULTI-CORE CABLES WITH COPPER CONDUCTOR

NVV	300 / 500 V	TS 9759
NYM	450 / 750 V	VDE 0250



1. Bir yada çok telli bakır iletken
2. PVC izole
3. PVC dolgu
4. PVC dış kılıf

1. Solid or stranded copper conductor
2. PVC insulation
3. PVC filler
4. PVC outer sheath

TEKNİK ÖZELLİKLER

İzin verilen işletme sıcaklığı : 70°C
 Kısa devre sıcaklığı : 160°C
 Test gerilimi (AC) : 2 kV
 Serim sıcaklığı min : -5°C
 Dış kılıf rengi : Gri

TECHNICAL DATA

Permissible operating temperature : 70°C
 Max.short circuit temp. : 160°C
 test voltage (AC) : 2kV - 2.5 kV
 Installation temp.min : -5°C
 Colour of outer sheath : Grey

KULLANIM ALANLARI

Rutubetli yerlerde, sıva altı ve sıva üstü sabit tesislerde kullanılır. Bina dışı açık tesislerde kullanılabilir. Yer altında kullanılmaz.

APPLICATIONS

In wet places, open wiring systems. Can not be applied in underground work, can use in house wiring system.

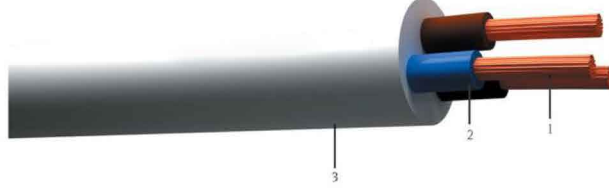
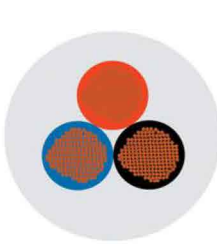
Teknik Özellikler / Technical Features

Normal Kesit	Tip	Kablo Dış Çapı	Akım Taşıma Kapasitesi		İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Type	Overall Diameter Of Cable	Current Carrying Capacity		Conductor DC Resistance at (20 °C)	Net Weight	Delivery Lenght
mm²		mm	Havada Air (A)	Boru İçinde Ground (A)	Ohm / Km	Kg / Km	Mt
2 x 1.5	NVV-NYM re	9.20	18.5	26	12.100	128.55	100
2 x 2.5	NVV-NYM re	10.40	25	34	7.410	172.71	100
2 x 4	NVV-NYM re	11.20	34	44	4.610	216.46	100
2 x 6	NVV-NYM re	12.60	43	56	3.080	288.92	100
2 x 10	NVV-NYM rm	16.00	60	75	1.830	471.34	100 or 1000
2 x 16	NVV-NYM rm	18.40	80	98	1.150	665.03	100 or 1000
3 x 1.5	NVV-NYM re	9.70	18.5	26	12.100	150.02	100
3 x 2.5	NVV-NYM re	11.00	25	34	7.410	204.76	100
3 x 4	NVV-NYM re	11.90	34	44	4.610	263.07	100
3 x 6	NVV-NYM re	13.70	43	56	3.080	363.64	100
3 x 10	NVV-NYM rm	17.00	60	75	1.830	579.04	100 or 1000
3 x 16	NVV-NYM rm	19.50	80	98	1.150	823.78	100 or 1000
4 x 1.5	NVV-NYM re	10.40	18.5	26	12.100	177.96	100
4 x 2.5	NVV-NYM re	11.80	25	34	7.410	244.43	100
4 x 4	NVV-NYM re	12.80	34	44	4.610	318.25	100
4 x 6	NVV-NYM re	14.80	43	56	3.080	444.48	100
4 x 10	NVV-NYM rm	18.40	60	75	1.830	710.30	100 or 1000
4 x 16	NVV-NYM rm	21.20	80	98	1.150	1,021.77	100 or 1000
5 x 1.5	NVV-NYM re	11.20	18.5	26	12.100	210.46	100
5 x 2.5	NVV-NYM re	12.80	25	34	7.410	293.11	100
5 x 4	NVV-NYM re	14.30	34	44	4.610	396.51	100
5 x 6	NVV-NYM re	16.10	43	56	3.080	537.90	100
5 x 10	NVV-NYM rm	20.10	60	75	1.830	864.33	100 or 1000
5 x 16	NVV-NYM rm	23.60	80	98	1.150	1,269.40	100 or 1000

PVC İZOLELİ, ÇOK DAMARLI, BÜKÜLGEN BAKIR İLETKENLİ KABLolar

PVC INSULATED MULTI-CORE CABLES WITH FLEXIBLE COPPER CONDUCTOR

H05VV-F	300 / 500 V	TS 9760	VDE 0281
H03VV-F	300 / 500 V	TS 9760	VDE 0281



1. İnce çok telli bakır iletken
2. PVC izole
3. PVC dış kılıf

1. Flexible copper conductor
2. PVC insulation
3. PVC outer sheath

TEKNİK ÖZELLİKLER

İzin verilen işletme sıcaklığı : 70°C
 Kısa devre sıcaklığı : 160°C
 Test gerilimi (AC) : 2 kV
 Serim sıcaklığı min : -5°C
 Dış kılıf rengi : Beyaz, Siyah

TECHNICAL DATA

Permissible operating temperature : 70°C
 Max.short circuit temp. : 160°C
 Test voltage (AC) : 2 kV
 Installation temp.min : -5°C
 Colour of outer sheath : White, Black

KULLANIM ALANLARI

Kuru ve nemli yerlerde, taşınabilir cihazlarda (ısıtıcılarda) kullanılır.

APPLICATIONS

In dry and wet places, household appliances, heaters etc.

Teknik Özellikler / Technical Features

Normal Kesit	Tip	Kablo Dış Çapı	Akım Taşıma Kapasitesi	İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Type	Overall Diameter Of Cable	Current Carrying Capacity	Conductor DC Resistance at (20 °C)	Net Weight	Delivery Length
mm ²		mm	Havada Air (A)	Ohm / Km	Kg / Km	Mt
2 x 0.50	H 03 VV-F	5.20	3	39.000	38.02	100
2 x 0.75	H 03 VV-F	5.40	6	26.000	43.89	100
3 x 0.50	H 03 VV-F	5.60	3	39.000	46.31	100
3 x 0.75	H 03 VV-F	5.80	6	26.000	54.06	100
4 x 0.50	H 03 VV-F	6.10	3	39.000	56.37	100
4 x 0.75	H 03 VV-F	6.30	6	26.000	66.06	100
5 x 0.50	H 03 VV-F	6.50	3	39.000	65.50	100
5 x 0.75	H 03 VV-F	6.80	6	26.000	78.64	100
2 x 0.75 ¹	H 05 VV-F	6.20	6	26.000	54.62	100
2 x 0.75 ¹	H 05 VV-F	7.20	6	26.000	76.49	100
2 x 1	H 05 VV-F	7.00	10	19.500	70.18	100
2 x 1 ¹	H 05 VV-F	8.20	10	19.500	100.16	100
2 x 1.5	H 05 VV-F	7.80	15	13.300	90.28	100
2 x 1.5 ¹	H 05 VV-F	9.00	15	13.300	124.46	100
2 x 2.5	H 05 VV-F	9.20	20	7.980	131.20	100
2 x 2.5 ¹	H 05 VV-F	10.40	20	7.980	172.04	100
2 x 4	H 05 VV-F	10.40	26	4.950	178.82	100
2 x 4 ¹	H 05 VV-F	12.00	26	4.950	239.37	100
2 x 6 ¹	H 05 VV-F	11.60	33	3.300	236.34	50 or 1000
2 x 6 ¹	H 05 VV-F	13.20	33	3.300	304.94	50 or 1000
2 x 10 ¹	H 05 VV-F	14.20	45	1.910	371.40	50 or 1000
2 x 10 ¹	H 05 VV-F	16.20	45	1.910	478.61	50 or 1000
2 x 16 ¹	H 05 VV-F	17.20	61	1.210	561.04	50 or 1000
2 x 16 ¹	H 05 VV-F	19.20	61	1.210	695.60	50 or 1000

PVC İZOLELİ, ÇOK DAMARLI, BÜKÜLGEN BAKIR İLETKENLİ KABLolar

PVC INSULATED MULTI-CORE CABLES WITH FLEXIBLE COPPER CONDUCTOR

H05VV-F	300 / 500 V	TS 9760	VDE 0281
H03VV-F	300 / 500 V	TS 9760	VDE 0281

Teknik Özellikler / Technical Features						
Normal Kesit	Tip	Kablo Dış Çapı	Akım Taşıma Kapasitesi	İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Type	Overall Diameter Of Cable	Current Carrying Capacity	Conductor DC Resistance at (20 °C)	Net Weight	Delivery Length
mm²		mm	Havada Air (A)	Ohm / Km	Kg / Km	Mt
3 x 0.75	H 05 VV-F	6.60	6	26.000	65.50	100
3 x 0.75 ¹	H 05 VV-F	7.60	6	26.000	88.10	100
3 x 1	H 05 VV-F	7.50	10	19.500	85.17	100
3 x 1 ¹	H 05 VV-F	8.70	10	19.500	116.41	100
3 x 1.5	H 05 VV-F	8.50	15	13.300	113.26	100
3 x 1.5 ¹	H 05 VV-F	9.50	15	13.300	144.34	100
3 x 2.5	H 05 VV-F	10.00	20	7.980	165.38	100
3 x 2.5 ¹	H 05 VV-F	11.00	20	7.980	202.53	100
3 x 4	H 05 VV-F	11.30	26	4.950	227.96	100
3 x 4 ¹	H 05 VV-F	13.30	26	4.950	303.30	100
3 x 6*	H 05 VV-F	12.40	33	3.300	298.46	50 or 1000
3 x 6* ¹	H 05 VV-F	14.40	33	3.300	382.31	50 or 1000
3 x 10*	H 05 VV-F	15.20	45	1.910	473.85	50 or 1000
3 x 10* ¹	H 05 VV-F	17.20	45	1.910	583.85	50 or 1000
3 x 16*	H 05 VV-F	18.40	61	1.210	718.93	50 or 1000
3 x 16* ¹	H 05 VV-F	20.40	61	1.210	855.77	50 or 1000
4 x 0.75	H 05 VV-F	7.20	6	26.000	80.06	100
4 x 0.75 ¹	H 05 VV-F	8.20	6	26.000	104.75	100
4 x 1	H 05 VV-F	8.40	10	19.500	108.38	100
4 x 1 ¹	H 05 VV-F	9.40	10	19.500	138.65	100
4 x 1.5	H 05 VV-F	9.50	15	13.300	143.92	100
4 x 1.5 ¹	H 05 VV-F	10.30	15	13.300	173.58	100
4 x 2.5	H 05 VV-F	10.90	20	7.980	203.58	100
4 x 2.5 ¹	H 05 VV-F	12.10	20	7.980	249.63	100
4 x 4	H 05 VV-F	12.70	26	4.950	293.50	100
4 x 4 ¹	H 05 VV-F	14.30	26	4.950	363.40	100
4 x 6*	H 05 VV-F	13.90	33	3.300	384.19	50 or 1000
4 x 6* ¹	H 05 VV-F	15.50	33	3.300	462.07	50 or 1000
4 x 10*	H 05 VV-F	17.10	45	1.910	613.57	50 or 1000
4 x 10* ¹	H 05 VV-F	18.70	45	1.910	718.36	50 or 1000
4 x 16*	H 05 VV-F	20.20	61	1.210	908.02	50 or 1000
4 x 16* ¹	H 05 VV-F	22.20	61	1.210	1,057.69	50 or 1000
5 x 0.75	H 05 VV-F	8.10	6	26.000	101.02	100
5 x 0.75 ¹	H 05 VV-F	8.90	6	26.000	124.94	100
5 x 1	H 05 VV-F	9.10	10	19.500	129.19	100
5 x 1 ¹	H 05 VV-F	10.10	10	19.500	162.34	100
5 x 1.5	H 05 VV-F	10.60	15	13.300	179.37	100
5 x 1.5 ¹	H 05 VV-F	11.20	15	13.300	207.88	100
5 x 2.5	H 05 VV-F	12.20	20	7.980	254.86	100
5 x 2.5 ¹	H 05 VV-F	13.00	20	7.980	295.25	100
5 x 4	H 05 VV-F	13.90	26	4.950	357.08	100
5 x 4 ¹	H 05 VV-F	14.90	26	4.950	413.87	100
5 x 6*	H 05 VV-F	15.30	33	3.300	471.58	50 or 1000
5 x 6* ¹	H 05 VV-F	16.50	33	3.300	544.03	50 or 1000
5 x 10*	H 05 VV-F	18.80	45	1.910	752.89	50 or 1000
5 x 10* ¹	H 05 VV-F	20.40	45	1.910	871.09	50 or 1000
5 x 16 *	H 05 VV-F	21.70	61	1.210	1,090.02	50 or 1000
5 x 16 * ¹	H 05 VV-F	23.70	61	1.210	1,253.54	50 or 1000

* Özel (special)

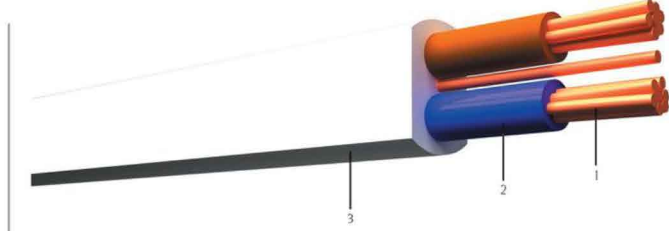
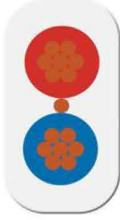
¹ dolgu (with filler)

ALÇAK GERİLİM KABLoları
Low Voltage Cables

PVC İZOLELİ, YASSI, BAKIR İLETKENLİ KABLOLAR

PVC INSULATED, FLAT CABLES WITH COPPER CONDUCTOR

TWIN FLAT 6242Y 300/500 V BS 6004



1. Bir veya çok telli bakır iletken
2. PVC izole
3. PVC dış kılıf

1. Solid or stranded copper conductor
2. PVC insulation
3. PVC outer sheath

TEKNİK ÖZELLİKLER

İzin verilen işletme sıcaklığı : 70°C
 Kısa devre sıcaklığı : 160°C
 Test gerilimi (AC) : 2 kV
 Serim sıcaklığı min : -5°C

TECHNICAL DATA

Permissible operating temperature : 70°C
 Max.short circuit temp. : 160°C
 Test voltage (AC) : 2 kV
 Installation temp.min : -5°C

KULLANIM ALANLARI

Kuru ve rutubetli yerlerde, sabit aydınlatma tesisatlarında boru içerisinde, toprak altına döşenmez. Sabit olarak sıva üzeri ve sıva altında kullanılır.

APPLICATIONS

In dry and damp rooms, locations and store room where subject to fire and explosions hazards, but not for underground laying. For permanent installation clear from in and under plaster

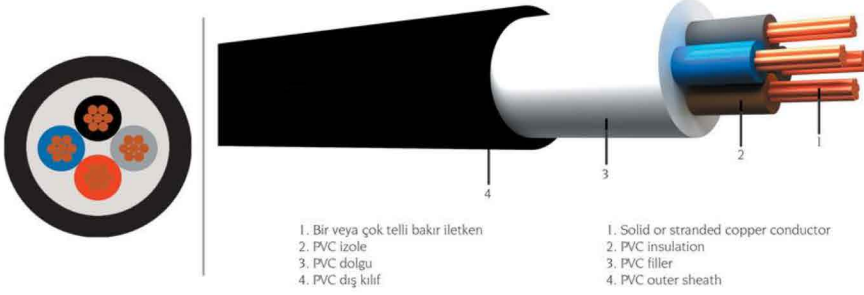
Teknik Özellikler / Technical Features

Normal Kesit	Tip	Kablo Dış Çapı	Akım Taşıma Kapasitesi		İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Type	Overall Diameter Of Cable	Current Carrying Capacity		Conductor DC Resistance at (20 °C)	Net Weight	Delivery Length
mm ²		mm	Havada Alır (A)	Toprakta Ground (A)	Ohm / Km	Kg / Km	Mt
2x1	6242Y	0,9	19	11	18,1	53	100
2x1,5	6242Y	0,9	25	16	12,1	70	100
2x2,5	6242Y	1	34	21	7,41	105	100
2x1+1	6242Y	0,9	19	11	18,1	76	100
2x1,5+1	6242Y	0,9	25	16	12,1	100	100
2x2,5+1,5	6242Y	1	34	21	7,41	150	100
3x1	6242Y	0,9	19	11	18,1	68	100
3x1,5	6242Y	0,9	25	16	12,1	85	100
3x2,5	6242Y	1	34	21	7,41	120	100
3x1+1	6242Y	0,9	19	11	18,1	91	100
3x1,5+1	6242Y	0,9	25	16	12,1	115	100
3x2,5+1,5	6242Y	1	34	21	7,41	170	100

0.6/1 kV PVC İZOLELİ, BAKIR İLETKENLİ KABLOLAR

0.6/1 kV PVC INSULATED CABLES WITH COPPER CONDUCTOR

YVY	0.6/1 kV	TS IEC 60502-1
YYY	0.6/1 kV	VDE 0276-603



TEKNİK ÖZELLİKLER

İzin verilen işletme sıcaklığı : 70°C
 Kısa devre sıcaklığı : 160°C (+ ≤ 5 sn)
 Test gerilimi (AC) : 3,5 kV
 Serim sıcaklığı min : -5°C

TEKNİK DATA

Permissible operating temperature : 70°C
 Max short circuit temp. : 160°C (+ ≤ 5 sn)
 test voltage (AC) : 3,5 kV
 Installation temp.min : -5°C

KULLANIM ALANLARI

Mekanik zorlamaların bulunmadığı yerlerde, enerji istasyonlarında, umumi inşaat kabloları olarak dahili tesislerde, kablo kanallarında endüstriyel tesislerde, künk ve borular içinde kullanılır.

APPLICATIONS

At poer distribution stations, house hold premises, at industrial plant in cable duct and pipes. Where there is no risk of mechanical damage.

Teknik Özellikler / Technical Features

Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi				İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity				Conductor DC Resistance at (20°C)	Net Weight	Delivery Length
mm²	mm	Havada Air (A)	Toprakta Ground (A)	Havada Air (A)	Toprakta Ground (A)	Ohm / Km	Kg	Mt
1 x 1.5 re	5.80	21	27	21	27	12.100	50.13	1000
1 x 2.5 re	6.20	27	35	28	35	7.410	62.61	1000
1 x 4 re	7.00	37	46	38	45	4.610	85.58	1000
1 x 6 re	7.50	46	57	48	57	3.080	108.12	1000
1 x 1.5 rm	6.00	21	27	21	27	12.100	52.86	1000
1 x 2.5 rm	6.40	27	35	28	35	7.410	65.53	1000
1 x 4 rm	7.40	37	46	38	45	4.610	92.25	1000
1 x 6 rm	8.00	46	57	48	57	3.080	117.09	1000
1 x 10 rm	8.60	64	76	65	76	1.830	157.55	1000
1 x 16 rm	9.60	84	98	87	97	1.150	221.01	1000
1 x 25 rm	11.10	114	127	117	125	0.727	322.69	1000
1 x 35 rm	12.20	140	152	144	150	0.524	422.38	1000
1 x 50 rm	13.80	172	180	177	178	0.387	562.74	1000
1 x 70 rm	15.60	218	220	225	218	0.268	772.55	1000
1 x 95 rm	18.00	270	264	278	260	0.193	1,053.09	1000
1 x 120 rm	19.40	315	300	325	296	0.153	1,291.01	1000
1 x 150 rm	21.40	362	336	373	331	0.124	1,588.30	1000
1 x 185 rm	23.80	420	379	433	374	0.099	1,975.47	1000
1 x 240 rm	26.70	503	439	518	432	0.075	2,554.83	1000
1 x 300 rm	29.40	580	494	598	486	0.060	3,168.31	500
1 x 400 rm	33.00	674	558	695	549	0.047	4,057.22	500
1 x 500 rm	36.60	781	629	806	618	0.037	5,121.06	500
1 x 630 rm	40.20	901	704	930	692	0.028	6,463.22	500

0.6/1 kV PVC İZOLELİ, BAKIR İLETKENLİ KABLOLAR

0.6/1 kV PVC INSULATED CABLES WITH COPPER CONDUCTOR

YVY	0.6/1 kV	TS IEC 60502-1
NYV	0.6/1 kV	VDE 0276-603

ALÇAK GERİLİM KABLOLARI

LOW VOLTAGE CABLES

ALÇAK GERİLİM KABLOLARI
Low Voltage Cables

Teknik Özellikler / Technical Features									
Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi				İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu	
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity				Conductor DC Resistance at (20°C)	Net Weight	Delivery Length	
mm ²	mm	Havada Air (A) ☼	Toprakta Ground (A) ☼☼☼	Havada Air (A) ☼☼☼	Toprakta Ground (A) ☼☼☼	Ohm / Km	Kg	Mt	
2 x 1.5 re	11.60	23	27	23	27	12.100	192.77	1000	
2 x 2.5 re	12.40	30	36	30	36	7.410	231.44	1000	
2 x 4 re	14.00	40	47	40	47	4.610	307.61	1000	
2 x 6 re	15.00	51	59	51	59	3.080	373.50	1000	
2 x 1.5 rm	12.00	23	27	23	27	12.100	204.98	1000	
2 x 2.5 rm	12.80	30	36	30	36	7.410	244.49	1000	
2 x 4 rm	14.80	40	47	40	47	4.610	337.47	1000	
2 x 6 rm	16.00	51	59	51	59	3.080	413.69	1000	
2 x 10 rm	17.20	70	80	70	80	1.830	523.27	1000	
2 x 16 rm	19.20	93	104	93	104	1.150	702.65	1000	
2 x 25 rm	22.20	123	134	123	134	0.727	995.68	1000	
2 x 35 rm	24.40	151	162	151	162	0.524	1,269.22	1000	
2 x 50 rm	27.80	182	191	182	191	0.387	1,683.51	1000	
2 x 70 rm	31.60	230	236	230	236	0.268	2,276.14	1000	
2 x 95 rm	36.40	280	281	280	281	0.193	3,072.56	1000	
2 x 120 rm	39.40	325	321	325	321	0.153	3,721.83	1000	
2 x 150 rm	43.60	371	361	371	361	0.124	4,584.18	1000	
2 x 185 rm	48.40	424	406	424	406	0.099	5,678.72	1000	
2 x 240 rm	54.60	501	470	501	470	0.075	7,331.76	1000	
2 x 300 rm	60.40	572	528	572	528	0.060	9,073.04	500	
2 x 400 rm	67.20	634	541	634	541	0.047	11,455.94	500	
3 x 1.5 re	12.10	19	23	19	23	12.100	217.01	500	
3 x 2.5 re	13.00	26	31	26	31	7.410	266.54	500	
3 x 4 re	14.70	34	40	34	40	4.610	358.39	500	
3 x 6 re	15.80	44	50	44	50	3.080	443.46	500	
3 x 1.5 rm	124.69	19	23	19	23	12.100	232.89	500	
3 x 2.5 rm	141.03	26	31	26	31	7.410	279.84	500	
3 x 4 rm	191.13	34	40	34	40	4.610	393.11	500	
3 x 6 rm	224.32	44	50	44	50	3.080	489.15	1000	
3 x 10 rm	260.16	60	68	60	68	1.830	633.84	1000	
3 x 16 rm	323.65	79	88	79	88	1.150	863.20	1000	
3 x 25 rm	437.44	105	114	105	114	0.727	1,244.50	1000	
3 x 35 rm	530.93	129	137	129	137	0.524	1,605.73	1000	
3 x 50 rm	697.46	162	168	162	168	0.387	2,148.59	1000	
3 x 70 rm	902.59	203	206	203	206	0.268	2,928.41	1000	
3 x 95 rm	1,194.59	250	247	250	247	0.193	3,957.72	1000	
3 x 120 rm	1,425.31	289	281	289	281	0.153	4,865.74	1000	
3 x 150 rm	1,712.87	330	315	330	315	0.124	5,936.67	500	
3 x 185 rm	2,115.56	381	356	381	356	0.099	7,368.19	500	
3 x 240 rm	2,687.83	451	412	451	412	0.075	9,523.74	500	
3 x 300 rm	3,287.75	517	464	517	464	0.060	11,801.36	500	
3 x 400 rm	4,151.06	594	524	594	524	0.047	15,083.93	500	
3 x 10 + 6 rm	19.30	68	77	68	77	1.830	708.88	1000	
3 x 16 + 10 rm	21.50	90	99	90	99	1.150	960.21	1000	
3 x 25 + 16 rm	24.80	121	128	121	128	0.727	1,426.29	1000	
3 x 35 + 16 rm	27.00	149	154	149	154	0.524	1,777.80	1000	
3 x 50 + 25 rm	31.40	173	173	173	173	0.387	2,446.18	1000	
3 x 70 + 35 rm	35.20	215	212	215	212	0.268	3,278.57	1000	
3 x 95 + 50 rm	40.60	266	255	266	255	0.193	4,443.76	1000	
3 x 120 + 70 rm	44.70	308	289	308	289	0.153	5,568.87	500	
3 x 150 + 70 rm	48.30	357	327	357	327	0.124	6,590.07	500	
3 x 185 + 95 rm	54.50	405	366	405	366	0.099	8,368.36	500	
3 x 240 + 120 rm	60.60	482	425	482	425	0.075	10,649.16	500	

0.6/1 kV PVC İZOLELİ, BAKIR İLETKENLİ KABLOLAR

0.6/1 kV PVC INSULATED CABLES WITH COPPER CONDUCTOR

YVV	0.6/1 kV	TS IEC 60502-1
NYV	0.6/1 kV	VDE 0276-603

ALÇAK GERİLİM KABLOLARI

LOW VOLTAGE CABLES

Teknik Özellikler / Technical Features								
Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi				İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity				Conductor DC Resistance at (20°C)	Net Weight	Delivery Lenght
mm²	mm	Havada Air (A) ↗	Toprakta Ground (A) ↗	Havada Air (A) ↗	Toprakta Ground (A) ↗	Ohm / Km	Kg	Mt
3 x 300 + 150 rm	67.00	552	479	552	479	0.060	13,185.72	500
3 x 400 + 185 rm	74.90	643	545	643	545	0.047	16,742.04	500
4 x 1.5 re	12.90	22	27	22	27	12.100	252.59	1000
4 x 2.5 re	13.90	29	35	29	35	7.410	314.17	1000
4 x 4 re	15.80	39	46	39	46	4.610	428.08	1000
4 x 6 re	17.00	50	57	50	57	3.080	534.18	1000
4 x 1.5 rm	13.40	22	27	22	27	12.100	269.24	1000
4 x 2.5 rm	14.40	29	35	29	35	7.410	332.08	1000
4 x 4 rm	16.80	39	46	39	46	4.610	469.28	1000
4 x 6 rm	18.20	50	57	50	57	3.080	587.27	1000
4 x 10 rm	19.70	68	77	68	77	1.830	774.82	1000
4 x 16 rm	22.10	90	99	90	99	1.150	1,070.49	1000
4 x 25 rm	25.70	121	128	121	128	0.727	1,549.64	1000
4 x 35 rm	28.60	149	154	149	154	0.524	2,027.20	1000
4 x 50 rm	33.30	173	173	173	173	0.387	2,764.51	1000
4 x 70 rm	37.30	215	212	215	212	0.268	3,711.46	1000
4 x 95 rm	43.50	266	255	266	255	0.193	5,093.96	1000
4 x 120 rm	47.10	308	289	308	289	0.153	6,212.31	1000
4 x 150 rm	51.80	357	327	357	327	0.124	7,603.25	500
4 x 185 rm	57.90	405	366	405	366	0.099	9,494.03	500
4 x 240 rm	64.90	482	425	482	425	0.075	12,210.67	500
4 x 300 rm	72.20	552	479	552	479	0.060	15,226.08	500
4 x 400 rm	80.50	643	545	643	545	0.047	19,323.86	500
4 x 10 + 6 rm	21.00	68	77	68	77	1.830	866.55	1000
4 x 16 + 10 rm	23.50	90	99	90	99	1.150	1,221.25	1000
4 x 25 + 16 rm	27.40	121	128	121	128	0.727	1,774.87	1000
4 x 35 + 16 rm	30.00	149	154	149	154	0.524	2,240.54	1000
4 x 50 + 25 rm	34.90	173	173	173	173	0.387	3,078.34	1000
4 x 70 + 35 rm	39.30	215	212	215	212	0.268	4,148.59	1000
4 x 95 + 50 rm	45.80	266	255	266	255	0.193	5,687.58	1000
4 x 120 + 70 rm	49.80	308	289	308	289	0.153	7,023.12	500
4 x 150 + 70 rm	54.50	357	327	357	327	0.124	8,450.15	500
4 x 185 + 95 rm	60.90	405	366	405	366	0.099	10,608.53	500
4 x 240 + 120 rm	67.90	482	425	482	425	0.075	13,549.03	500
4 x 300 + 150 rm	75.70	552	479	552	479	0.060	16,911.33	500
4 x 400 + 185 rm	84.20	643	545	643	545	0.047	21,383.78	500
5 x 1.5 re	13.70	23	27	23	27	12.100	290.04	1000
5 x 2.5 re	14.80	30	36	30	36	7.410	364.17	1000
5 x 4 re	17.00	41	47	41	47	4.610	506.08	1000
5 x 6 re	18.30	52	59	52	59	3.080	634.27	1000
5 x 1.5 rm	14.30	23	27	23	27	12.100	311.43	1000
5 x 2.5 rm	15.40	30	36	30	36	7.410	387.25	1000
5 x 4 rm	18.10	41	47	41	47	4.610	554.75	1000
5 x 6 rm	19.70	52	59	52	59	3.080	701.42	1000
5 x 10 rm	21.30	71	78	71	78	1.830	928.43	1000
5 x 16 rm	24.00	94	101	94	101	1.150	1,294.11	1000
5 x 25 rm	28.30	126	131	126	131	0.727	1,712.08	1000
5 x 35 rm	31.80	155	157	155	157	0.524	2,293.49	1000
5 x 50 rm	36.50	189	185	189	185	0.387	3,078.84	1000
5 x 70 rm	41.10	215	212	215	212	0.268	4,216.51	1000
5 x 95 rm	47.80	266	255	266	255	0.193	5,747.52	1000
5 x 120 rm	52.00	308	289	308	289	0.153	7,115.53	500
5 x 150 rm	57.60	357	327	357	327	0.124	8,780.27	500

ALÇAK GERİLİM KABLOLARI
Low Voltage Cables

0.6/1 kV PVC İZOLELİ, BAKIR İLETKENLİ KABLolar

0.6/1 kV PVC INSULATED CABLES WITH COPPER CONDUCTOR

YVV	0.6/1 kV	TS IEC 60502-1
NYV	0.6/1 kV	VDE 0276-603

ALÇAK GERİLİM KABLoları

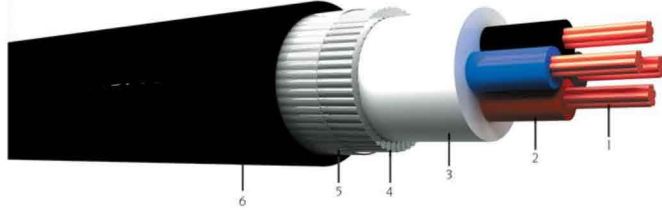
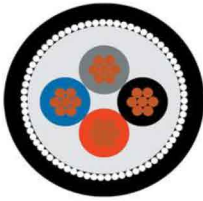
LOW VOLTAGE CABLES

Teknik Özellikler / Technical Features								
Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi				İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity				Conductor DC Resistance at (20°C)	Net Weight	Delivery Length
mm²	mm	Havada Air (A) ☼	Toprakta Ground (A) ☼☼☼	Havada Air (A) ☼☼☼	Toprakta Ground (A) ☼☼☼	Ohm / Km	Kg	Mt
5 x 185 rm	64.00	405	366	405	366	0.099	10,853.99	500
5 x 240 rm	72.10	482	425	482	425	0.075	14,052.51	500
5 x 300 rm	80.00	552	479	552	479	0.060	17,355.63	500
5 x 400 rm	89.20	643	545	643	545	0.047	22,182.83	500
7 x 1.5 re	14.60	14	10	14	10	12.100	341.33	1000
7 x 2.5 re	15.80	19	16	19	16	7.410	434.97	1000
7 x 1.5 rm	15.20	14	10	14	10	12.100	363.52	1000
7 x 2.5 rm	16.40	19	16	19	16	7.410	458.90	1000
10 x 1.5 re	16.10	12	9	12	9	12.100	429.47	1000
10 x 2.5 re	17.50	16	13	16	13	7.410	556.44	1000
10 x 1.5 rm	16.80	12	9	12	9	12.100	457.80	1000
10 x 2.5 rm	18.20	16	13	16	13	7.410	587.13	1000
12 x 1.5 re	17.30	12	9	12	9	12.100	501.57	1000
12 x 2.5 re	18.90	16	13	16	13	7.410	656.26	1000
12 x 1.5 rm	18.10	12	9	12	9	12.100	536.65	1000
12 x 2.5 rm	19.70	16	13	16	13	7.410	694.48	1000
14 x 1.5 re	18.20	10	8	10	8	12.100	562.37	1000
14 x 2.5 re	19.90	14	12	14	12	7.410	739.08	1000
14 x 1.5 rm	19.10	10	8	10	8	12.100	604.14	1000
14 x 2.5 rm	20.80	14	12	14	12	7.410	784.62	1000
19 x 1.5 re	20.60	9	7	9	7	12.100	733.47	1000
19 x 2.5 re	22.60	12	11	12	11	7.410	971.73	1000
19 x 1.5 rm	21.60	9	7	9	7	12.100	785.70	1000
19 x 2.5 rm	23.60	12	11	12	11	7.410	1,028.85	1000
21 x 1.5 re	21.50	9	7	9	7	12.100	802.98	1000
21 x 2.5 re	23.70	12	11	12	11	7.410	1,072.13	1000
21 x 1.5 rm	22.60	9	7	9	7	12.100	863.46	1000
21 x 2.5 rm	24.70	12	11	12	11	7.410	1,131.57	1000
24 x 1.5 re	22.40	8	6	8	6	12.100	882.78	1000
24 x 2.5 re	24.70	11	10	11	10	7.410	1,183.02	1000
24 x 1.5 rm	23.60	8	6	8	6	12.100	951.66	1000
24 x 2.5 rm	25.80	11	10	11	10	7.410	1,251.39	1000
30 x 1.5 re	24.50	8	6	8	6	12.100	1,070.29	1000
30 x 2.5 re	27.30	11	10	11	10	7.410	1,457.15	1000
30 x 1.5 rm	25.80	8	6	8	6	12.100	1,151.52	1000
30 x 2.5 rm	28.50	11	10	11	10	7.410	1,539.20	1000
40 x 1.5 re	27.70	7	5	7	5	12.100	1,384.91	1000
40 x 2.5 re	30.90	9	8	9	8	7.410	1,893.36	1000
40 x 1.5 rm	29.20	7	5	7	5	12.100	1,490.83	1000
40 x 2.5 rm	32.90	9	8	9	8	7.410	2,054.53	1000
48 x 1.5 re	30.90	7	5	7	5	12.100	1,713.02	1000
48 x 2.5 re	34.90	9	8	9	8	7.410	2,378.52	1000
48 x 1.5 rm	33.20	7	5	7	5	12.100	1,901.40	1000
48 x 2.5 rm	36.70	9	8	9	8	7.410	2,537.80	1000
61 x 1.5 re	33.60	6	4	6	4	12.100	2,061.57	1000
61 x 2.5 re	37.40	8	7	8	7	7.410	2,815.68	1000
61 x 1.5 rm	35.40	6	4	6	4	12.100	2,215.01	1000
61 x 2.5 rm	39.40	8	7	8	7	7.410	3,004.36	1000

0.6/1 kV İZOLELİ, YUVARLAK ÇELİK TEL ZIRHLI, ÇOK DAMARLI, BAKIR İLETKENLİ KABLOLAR

0.6/1 kV PVC INSULATED ROUND STEEL WIRE ARMoured, MULTI-CORE CABLES WITH COPPER CONDUCTOR

YVZ2V	0.6/1 Kv	TS IEC 60502-1
NYRY	0.6/1 Kv	VDE 0271



1. Bir veya çok telli bakır iletken
2. PVC izole
3. PVC dolgu
4. Galvanizli yuvarlak çelik tel
5. Polyester bant
6. PVC dış kılıf

1. Solid or stranded copper conductor
2. PVC insulation
3. PVC filler
4. Galvanized round steel wires
5. Polyester tape
6. PVC outer sheath

TEKNİK ÖZELLİKLER

İzin verilen işletme sıcaklığı : 70°C
 Kısa devre sıcaklığı : 160°C (+ < 5 sn)
 Test gerilimi (AC) : 3.5 kV
 Serim Sıcaklığı min. : - 5°C

TECHNICAL DATA

Permissible operating temperature : 70°C
 Maximum short circuit temp. : 160°C (+ < 5sn)
 Test voltage (AC) : 3.5 kV
 Installation temp.: -20°C

KULLANIM ALANLARI

Mekanik zorlamaların bulunduğu kablo kanallarında kumanda ve sinyal devrelerinde ve suda sabit olarak kullanılır.

APPLICATIONS

Switching panels, urban networks, in duct where there is a risk of mechanical damage, in water for stationary conditions

ALÇAK GERİLİM KABLOLARI
 Low Voltage Cables

Teknik Özellikler / Technical Features						
Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi		İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity		Conductor DC Resistance at (20 °C)	Net Weight	Delivery Length
mm ²	mm	Havada Air (A)	Toprakta Ground (A)	Ohm / Km	Kg / Km	Mt
1 x 10 mm	11.00	64	76	1.830	275.26	1000
1 x 16 mm	12.00	84	98	1.150	356.48	1000
1 x 25 mm	13.50	114	127	0.727	484.86	1000
1 x 35 mm	14.60	140	152	0.524	602.53	1000
1 x 50 mm	17.10	172	180	0.387	871.83	1000
1 x 70 mm	18.70	218	220	0.268	1,116.11	1000
1 x 95 mm	20.90	270	264	0.193	1,449.64	1000
1 x 120 mm	23.00	315	300	0.153	1,827.87	1000
1 x 150 mm	24.80	362	336	0.124	2,180.37	1000
1 x 185 mm	27.20	420	379	0.099	2,634.03	1000
1 x 240 mm	30.10	503	439	0.075	3,296.02	1000
1 x 300 mm	33.80	580	494	0.060	4,227.16	500
1 x 400 mm	37.20	674	558	0.047	5,229.81	500
1 x 500 mm	40.80	781	629	0.037	6,421.98	500
1 x 630 mm	45.60	901	704	0.028	8,264.03	500
2 x 1.5 re	13.20	23	27	12.100	328.91	1000
2 x 2.5 re	14.00	30	36	7.410	379.47	1000
2 x 4 re	16.50	40	47	4.610	579.73	1000
2 x 6 re	17.50	51	59	3.080	664.95	1000
2 x 1.5 rm	13.60	23	27	12.100	345.11	1000
2 x 2.5 rm	14.40	30	36	7.410	400.46	1000
2 x 4 rm	17.30	40	47	4.610	628.98	1000
2 x 6 rm	18.50	51	59	3.080	734.23	1000
2 x 10 rm	19.70	70	80	1.830	872.76	1000

0.6/1 kV İZOLELİ, YUVARLAK ÇELİK TEL ZIRHLI, ÇOK DAMARLI, BAKIR İLETKENLİ KABLOLAR

0.6/1 kV PVC INSULATED ROUND STEEL WIRE ARMoured, MULTI-CORE CABLES WITH COPPER CONDUCTOR

YVZ2V	0.6/1 Kv	TS IEC 60502-1
NYRY	0.6/1 Kv	VDE 0271

ALÇAK GERİLİM KABLOLARI

LOW VOLTAGE CABLES

ALÇAK GERİLİM KABLOLARI
Low Voltage Cables

Teknik Özellikler / Technical Features						
Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi		İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity		Conductor DC Resistance at (20 °C)	Net Weight	Delivery Length
mm ²	mm	Havada Air (A)	Toprakta Ground (A)	Ohm / Km	Kg / Km	Mt
2 x 16 rm	22.40	93	104	1.150	1,204.21	1000
2 x 25 rm	25.40	123	134	0.727	1,592.35	1000
2 x 35 rm	27.80	151	162	0.524	1,942.32	1000
2 x 50 rm	31.20	182	191	0.387	2,470.69	1000
2 x 70 rm	36.00	230	236	0.268	3,410.51	1000
2 x 95 rm	40.60	280	281	0.193	4,369.71	1000
2 x 120 rm	43.60	325	321	0.153	5,121.33	1000
2 x 150 rm	49.00	371	361	0.124	6,541.10	500
2 x 185 rm	53.60	424	406	0.099	7,852.20	500
2 x 240 rm	59.80	501	470	0.075	9,784.27	500
2 x 300 rm	65.60	572	528	0.060	11,804.70	500
2 x 400 rm	73.90	634	541	0.047	15,302.45	500
3 x 1.5 re	13.70	19	23	12.100	361.18	1000
3 x 2.5 re	14.60	26	31	7.410	422.61	1000
3 x 4 re	17.20	34	40	4.610	640.37	1000
3 x 6 re	18.30	44	50	3.080	754.45	1000
3 x 1.5 rm	14.20	19	23	12.100	385.01	1000
3 x 2.5 rm	15.00	26	31	7.410	443.88	1000
3 x 4 rm	18.10	34	40	4.610	704.18	1000
3 x 6 rm	19.40	44	50	3.080	829.30	1000
3 x 10 rm	20.70	60	68	1.830	1,002.97	1000
3 x 16 rm	23.50	79	88	1.150	1,396.80	1000
3 x 25 rm	27.00	105	114	0.727	1,901.86	1000
3 x 35 rm	29.40	129	137	0.524	2,327.72	1000
3 x 50 rm	34.00	162	168	0.387	3,191.80	1000
3 x 70 rm	38.10	203	206	0.268	4,124.08	1000
3 x 95 rm	43.20	250	247	0.193	5,358.39	1000
3 x 120 rm	47.80	289	281	0.153	6,761.75	500
3 x 150 rm	52.10	330	315	0.124	8,055.39	500
3 x 185 rm	57.30	381	356	0.099	9,729.86	500
3 x 240 rm	63.90	451	412	0.075	12,207.11	500
3 x 300 rm	70.10	517	464	0.060	14,767.97	500
3 x 400 rm	79.40	594	524	0.047	19,253.20	500
3 x 10 + 6 rm	22.50	68	77	1.830	1,211.00	1000
3 x 16 + 10 rm	24.70	90	99	1.150	1,576.32	1000
3 x 25 + 16 rm	28.20	121	128	0.727	2,116.25	1000
3 x 35 + 16 rm	30.40	149	154	0.524	2,533.80	1000
3 x 50 + 25 rm	35.60	173	173	0.387	3,564.80	1000
3 x 70 + 35 rm	39.60	215	212	0.268	4,543.57	1000
3 x 95 + 50 rm	46.00	266	255	0.193	6,281.44	1000
3 x 120 + 70 rm	50.10	308	289	0.153	7,606.28	500
3 x 150 + 70 rm	53.50	357	327	0.124	8,765.73	500
3 x 185 + 95 rm	59.70	405	366	0.099	10,824.03	500
3 x 240 + 120 rm	65.80	482	425	0.075	13,384.86	500
3 x 300 + 150 rm	73.70	552	479	0.060	17,037.68	500
3 x 400 + 185 rm	81.80	643	545	0.047	21,077.33	500
4 x 1.5 re	14.50	22	27	12.100	408.71	1000
4 x 2.5 re	16.40	29	35	7.410	576.81	1000
4 x 4 re	18.30	39	46	4.610	739.18	1000
4 x 6 re	19.50	50	57	3.080	874.33	1000
4 x 1.5 rm	15.00	22	27	12.100	433.34	1000
4 x 2.5 rm	16.90	29	35	7.410	614.08	1000

0.6/1 kV İZOLELİ, YUVARLAK ÇELİK TEL ZIRHLI, ÇOK DAMARLI, BAKIR İLETKENLİ KABLOLAR

0.6/1 kV PVC INSULATED ROUND STEEL WIRE ARMoured, MULTI-CORE CABLES WITH COPPER CONDUCTOR

YVZ2V	0.6/1 Kv	TS IEC 60502-1
NYRY	0.6/1 Kv	VDE 0271

ALÇAK GERİLİM KABLOLARI LOW VOLTAGE CABLES

Teknik Özellikler / Technical Features						
Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi		İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity		Conductor DC Resistance at (20 °C)	Net Weight	Delivery Length
mm ²	mm	Havada Air (A)	Toprakta Ground (A)	Ohm / Km	Kg / Km	Mt
4 x 4 rm	19.30	39	46	4.610	809.54	1000
4 x 6 rm	20.70	50	57	3.080	956.66	1000
4 x 10 rm	22.90	68	77	1.830	1,292.75	1000
4 x 16 rm	25.30	90	99	1.150	1,667.69	1000
4 x 25 rm	29.10	121	128	0.727	2,271.80	1000
4 x 35 rm	32.00	149	154	0.524	2,831.63	1000
4 x 50 rm	37.50	173	173	0.387	3,935.60	1000
4 x 70 rm	41.50	215	212	0.268	5,035.17	1000
4 x 95 rm	48.90	266	255	0.193	7,053.06	1000
4 x 120 rm	52.50	308	289	0.153	8,332.12	500
4 x 150 rm	57.00	357	327	0.124	9,938.18	500
4 x 185 rm	63.10	405	366	0.099	12,109.13	500
4 x 240 rm	70.30	482	425	0.075	15,178.46	500
4 x 300 rm	79.10	552	479	0.060	19,431.53	500
4 x 400 rm	87.20	643	545	0.047	24,001.59	500
4 x 10 + 6 rm	24.20	68	77	1.830	1,432.17	1000
4 x 16 + 10 rm	26.90	90	99	1.150	1,879.48	1000
4 x 25 + 16 rm	30.80	121	128	0.727	2,547.14	1000
4 x 35 + 16 rm	34.20	149	154	0.524	3,284.38	1000
4 x 50 + 25 rm	39.30	173	173	0.387	4,343.30	1000
4 x 70 + 35 rm	43.50	215	212	0.268	5,549.91	1000
4 x 95 + 50 rm	51.20	266	255	0.193	7,767.83	1000
4 x 120 + 70 rm	55.20	308	289	0.153	9,303.22	500
4 x 150 + 70 rm	59.70	357	327	0.124	10,905.57	500
4 x 185 + 95 rm	66.10	405	366	0.099	13,344.77	500
4 x 240 + 120 rm	74.60	482	425	0.075	17,463.58	500
4 x 300 + 150 rm	82.40	552	479	0.060	21,274.71	500
4 x 400 + 185 rm	91.10	643	545	0.047	26,297.47	500
5 x 1.5 re	16.20	23	27	12.100	552.71	1000
5 x 2.5 re	17.30	30	36	7.410	655.86	1000
5 x 4 re	19.50	41	47	4.610	846.31	1000
5 x 6 re	20.80	52	59	3.080	1,003.58	1000
5 x 1.5 rm	16.80	23	27	12.100	583.85	1000
5 x 2.5 rm	17.90	30	36	7.410	688.70	1000
5 x 4 rm	20.60	41	47	4.610	924.20	1000
5 x 6 rm	22.90	52	59	3.080	1,219.59	1000
5 x 10 rm	24.50	71	78	1.830	1,494.08	1000
5 x 16 rm	27.40	94	101	1.150	1,967.77	1000
5 x 25 rm	31.70	126	131	0.727	2,709.44	1000
5 x 35 rm	36.20	155	157	0.524	3,657.96	1000
5 x 50 rm	40.70	189	185	0.387	4,682.92	1000
5 x 70 rm	46.50	215	212	0.268	6,412.64	1000
5 x 95 rm	53.20	266	255	0.193	8,421.00	1000
5 x 120 rm	57.40	308	289	0.153	10,033.74	500
5 x 150 rm	62.80	357	327	0.124	12,073.53	500
5 x 185 rm	69.20	405	366	0.099	14,636.70	500
5 x 240 rm	79.00	482	425	0.075	19,385.34	500
5 x 300 rm	86.70	552	479	0.060	23,490.66	500
5 x 400 rm	95.90	643	545	0.047	29,149.61	500
7 x 1.5 re	17.10	14	10	12.100	623.53	1000
7 x 2.5 re	18.30	19	16	7.410	746.22	1000
7 x 1.5 rm	17.70	14	10	12.100	665.13	1000

ALÇAK GERİLİM KABLOLARI
Low Voltage Cables

0.6/1 kV İZOLELİ, YUVARLAK ÇELİK TEL ZIRHLI, ÇOK DAMARLI, BAKIR İLETKENLİ KABLOLAR

0.6/1 kV PVC INSULATED ROUND STEEL WIRE ARMoured, MULTI-CORE CABLES WITH COPPER CONDUCTOR

YVZ2V	0.6/1 Kv	TS IEC 60502-1
NYRY	0.6/1 Kv	VDE 0271

ALÇAK GERİLİM KABLOLARI

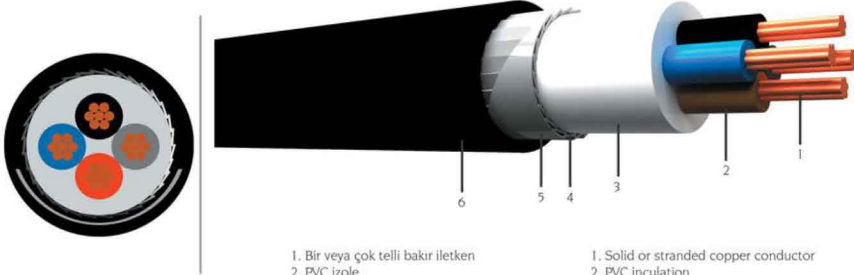
LOW VOLTAGE CABLES

Teknik Özellikler / Technical Features

Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi		İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity		Conductor DC Resistance at (20 °C)	Net Weight	Delivery Length
mm ²	mm	Havada Air (A)	Toprakta Ground (A)	Ohm / Km	Kg / Km	Mt
7 x 2.5 rm	18.90	19	16	7.410	789.60	1000
10 x 1.5 re	18.60	12	9	12.100	750.58	1000
10 x 2.5 re	20.00	16	13	7.410	906.69	1000
10 x 1.5 rm	19.30	12	9	12.100	798.40	1000
10 x 2.5 rm	20.70	16	13	7.410	956.90	1000
12 x 1.5 re	19.80	12	9	12.100	851.84	1000
12 x 2.5 re	22.10	16	13	7.410	1,158.71	1000
12 x 1.5 rm	20.60	12	9	12.100	906.45	1000
12 x 2.5 rm	22.90	16	13	7.410	1,213.01	1000
14 x 1.5 re	20.70	10	8	12.100	932.16	1000
14 x 2.5 re	23.10	14	12	7.410	1,273.39	1000
14 x 1.5 rm	22.30	10	8	12.100	1,106.88	1000
14 x 2.5 rm	24.00	14	12	7.410	1,335.07	1000
19 x 1.5 re	23.80	9	7	12.100	1,283.89	1000
19 x 2.5 re	25.80	12	11	7.410	1,585.72	1000
19 x 1.5 rm	24.80	9	7	12.100	1,368.11	1000
19 x 2.5 rm	27.00	12	11	7.410	1,687.56	1000
21 x 1.5 re	24.70	9	7	12.100	1,385.22	1000
21 x 2.5 re	27.10	12	11	7.410	1,730.70	1000
21 x 1.5 rm	25.80	9	7	12.100	1,477.73	1000
21 x 2.5 rm	28.10	12	11	7.410	1,822.71	1000
24 x 1.5 re	21.00	8	6	12.100	978.93	1000
24 x 2.5 re	25.60	11	10	7.410	1,481.18	1000
24 x 1.5 rm	21.00	8	6	12.100	978.93	1000
24 x 2.5 rm	25.60	11	10	7.410	1,481.18	1000
30 x 1.5 re	27.90	8	6	12.100	1,761.47	1000
30 x 2.5 re	30.70	11	10	7.410	2,230.77	1000
30 x 1.5 rm	29.20	8	6	12.100	1,875.55	1000
30 x 2.5 rm	31.90	11	10	7.410	2,345.71	1000
40 x 1.5 re	25.60	7	5	12.100	1,511.86	1000
40 x 2.5 re	31.10	9	8	7.410	2,159.30	1000
40 x 1.5 rm	33.60	7	5	12.100	2,525.90	1000
40 x 2.5 rm	37.10	9	8	7.410	3,228.35	1000
48 x 1.5 re	35.10	7	5	12.100	2,809.11	1000
48 x 2.5 re	39.30	9	8	7.410	3,645.93	1000
48 x 1.5 rm	37.40	7	5	12.100	3,075.52	1000
48 x 2.5 rm	40.90	9	8	7.410	3,840.01	1000
61 x 1.5 re	37.80	6	4	12.100	3,261.12	1000
61 x 2.5 re	41.60	8	7	7.410	4,143.63	1000
61 x 1.5 rm	39.80	6	4	12.100	3,206.71	1000
61 x 2.5 rm	43.10	8	7	7.410	3,509.46	1000

0.6/1 kV PVC İZOLELİ, YASSI ÇELİK TEL ZIRHLI, ÇOK DAMARLI, BAKIR İLETKENLİ KABLOLAR 0.6/1 kV PVC INSULATED FLAT STEEL WIRE ARMoured, MULTI-CORE CABLES WITH COPPER CONDUCTOR

YVZ3V	0.6/1 Kv	TS IEC 60502-1
NYFGbY	0.6/1 Kv	VDE 0271



1. Bir veya çok telli bakır iletken
2. PVC izole
3. PVC dolgu
4. Galvanizli yassı çelik tel
5. Galvanizli çelik bant
6. PVC dış kılıf

1. Solid or stranded copper conductor
2. PVC inculation
3. PVC filler
4. Galvanized flat steel wires
5. Galvanized steel tape
6. PVC outer sheath

TEKNİK ÖZELLİKLER

İzin verilen işletme sıcaklığı : 70°C
 Kısa devre sıcaklığı : 160°C (+ < 5 sn)
 Test gerilimi (AC) : 3.5 kV
 Serim Sıcaklığı min. : - 5°C

TECHNICAL DATA

Permissible operating temperature : 70°C
 Maximum short circuit temp. : 160°C (+ < 5sn)
 Test voltage (AC) : 3.5 kV
 Installation temp.: -20°C

KULLANIM ALANLARI

Mekanik zorlanmaların bulunduğu dahili ve harici yerlerde kullanılır.

APPLICATIONS

Switching stations, industrial plants, where there is risk of mechanical damage

ALÇAK GERİLİM KABLOLARI
 Low Voltage Cables

Teknik Özellikler / Technical Features						
Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi		İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity		Conductor DC Resistance at (20 °C)	Net Weight	Delivery Length
mm ²	mm	Havada Air (A)	Toprakta Ground (A)	Ohm / Km	Kg / Km	Mt
1 x 95 mm	20.00	270	264	0.193	1,434.18	1000
1 x 120 mm	21.40	315	300	0.153	1,704.79	1000
1 x 150 mm	23.20	362	336	0.124	2,052.17	1000
1 x 185 mm	25.40	420	379	0.099	2,464.54	1000
1 x 240 mm	28.30	503	439	0.075	3,107.39	1000
1 x 300 mm	31.20	580	494	0.060	3,823.51	500
1 x 400 mm	34.60	674	558	0.047	4,764.17	500
1 x 500 mm	38.40	781	629	0.037	5,938.28	500
1 x 630 mm	42.00	901	704	0.028	7,348.98	500
2 x 10 mm	18.80	70	80	1.830	855.91	1000
2 x 16 mm	20.80	93	104	1.150	1,094.33	1000
2 x 25 mm	23.80	123	134	0.727	1,450.95	1000
2 x 35 mm	26.20	151	162	0.524	1,796.76	1000
2 x 50 mm	29.60	182	191	0.387	2,277.95	1000
2 x 70 mm	33.40	230	236	0.268	2,964.46	1000
2 x 95 mm	38.20	280	281	0.193	3,885.15	1000
2 x 120 mm	41.00	325	321	0.153	4,579.96	1000
2 x 150 mm	45.40	371	361	0.124	5,557.87	1000
2 x 185 mm	50.00	424	406	0.099	6,728.35	500
2 x 240 mm	56.20	501	470	0.075	8,535.20	500
2 x 300 mm	62.00	572	528	0.060	10,403.74	500
2 x 400 mm	69.00	634	541	0.047	12,975.51	500
3 x 10 mm	19.80	60	68	1.830	996.28	1000
3 x 16 mm	21.90	79	88	1.150	1,285.21	1000

0.6/1 kV PVC İZOLELİ, YASSI ÇELİK TEL ZIRHLI, ÇOK DAMARLI, BAKIR İLETKENLİ KABLOLAR

0.6/1 kV PVC INSULATED FLAT STEEL WIRE ARMoured, MULTI-CORE CABLES WITH COPPER CONDUCTOR

YVZ3V	0.6/1 Kv	TS IEC 60502-1
NYFGbY	0.6/1 Kv	VDE 0271

ALÇAK GERİLİM KABLOLARI

LOW VOLTAGE CABLES

Teknik Özellikler / Technical Features						
Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi		İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity		Conductor DC Resistance at (20 °C)	Net Weight	Delivery Length
mm ²	mm	Havada Air (A)	Toprakta Ground (A)	Ohm / Km	Kg / Km	Mt
3 x 25 rm	25.20	105	114	0.727	1,731.60	1000
3 x 35 rm	27.80	129	137	0.524	2,166.84	1000
3 x 50 rm	31.40	162	168	0.387	2,788.92	1000
3 x 70 rm	35.70	203	206	0.268	3,679.13	1000
3 x 95 rm	40.60	250	247	0.193	4,815.48	1000
3 x 120 rm	44.40	289	281	0.153	5,810.66	500
3 x 150 rm	48.50	330	315	0.124	6,977.73	500
3 x 185 rm	53.70	381	356	0.099	8,536.53	500
3 x 240 rm	60.30	451	412	0.075	10,851.56	500
3 x 300 rm	66.50	517	464	0.060	13,262.07	500
3 x 400 rm	74.30	594	524	0.047	16,700.81	500
3 x 10 + 6 rm	20.90	68	77	1.830	1,101.54	1000
3 x 16 + 10 rm	23.10	90	99	1.150	1,412.90	1000
3 x 25 + 16 rm	26.60	121	128	0.727	1,956.64	1000
3 x 35 + 16 rm	28.60	149	154	0.524	2,355.66	1000
3 x 50 + 25 rm	33.20	173	173	0.387	3,134.80	1000
3 x 70 + 35 rm	37.00	215	212	0.268	4,061.42	1000
3 x 95 + 50 rm	42.40	266	255	0.193	5,354.51	1000
3 x 120 + 70 rm	46.50	308	289	0.153	6,575.34	500
3 x 150 + 70 rm	49.90	357	327	0.124	7,641.50	500
3 x 185 + 95 rm	56.10	405	366	0.099	9,574.58	500
3 x 240 + 120 rm	62.20	482	425	0.075	11,984.67	500
3 x 300 + 150 rm	68.80	552	479	0.060	14,709.97	500
3 x 400 + 185 rm	76.70	643	545	0.047	18,457.85	500
4 x 10 rm	21.30	68	77	1.830	1,169.24	1000
4 x 16 rm	23.70	90	99	1.150	1,525.86	1000
4 x 25 rm	27.50	121	128	0.727	2,109.62	1000
4 x 35 rm	30.40	149	154	0.524	2,651.68	1000
4 x 50 rm	34.90	173	173	0.387	3,471.12	1000
4 x 70 rm	39.10	215	212	0.268	4,529.83	1000
4 x 95 rm	45.30	266	255	0.193	6,069.45	1000
4 x 120 rm	48.90	308	289	0.153	7,281.12	500
4 x 150 rm	53.60	357	327	0.124	8,771.37	500
4 x 185 rm	59.70	405	366	0.099	10,794.47	500
4 x 240 rm	66.70	482	425	0.075	13,698.45	500
4 x 300 rm	74.00	552	479	0.060	16,878.12	500
4 x 400 rm	82.30	643	545	0.047	21,169.40	500
4 x 10 + 6 rm	22.60	68	77	1.830	1,292.04	1000
4 x 16 + 10 rm	25.10	90	99	1.150	1,674.06	1000
4 x 25 + 16 rm	29.20	121	128	0.727	2,368.46	1000
4 x 35 + 16 rm	31.60	149	154	0.524	2,882.27	1000
4 x 50 + 25 rm	36.70	173	173	0.387	3,860.00	1000
4 x 70 + 35 rm	40.90	215	212	0.268	5,008.15	1000
4 x 95 + 50 rm	47.60	266	255	0.193	6,725.24	1000
4 x 120 + 70 rm	51.60	308	289	0.153	8,156.24	500
4 x 150 + 70 rm	56.10	357	327	0.124	9,656.12	500
4 x 185 + 95 rm	62.70	405	366	0.099	12,000.35	500
4 x 240 + 120 rm	69.70	482	425	0.075	15,103.28	500
4 x 300 + 150 rm	77.30	552	479	0.060	18,596.08	500
4 x 400 + 185 rm	86.00	643	545	0.047	23,325.38	500
5 x 10 rm	22.90	71	78	1.830	1,355.24	1000
5 x 16 rm	25.60	94	101	1.150	1,808.38	1000
5 x 25 rm	30.10	126	131	0.727	2,528.20	1000

0.6/1 kV PVC İZOLELİ, YASSI ÇELİK TEL ZIRHLI, ÇOK DAMARLI, BAKIR İLETKENLİ KABLOLAR

0.6/1 kV PVC INSULATED FLAT STEEL WIRE ARMoured, MULTI-CORE CABLES WITH COPPER CONDUCTOR

YVZ3V	0.6/1 Kv	TS IEC 60502-1
NYFGbY	0.6/1 Kv	VDE 0271

ALÇAK GERİLİM KABLOLARI

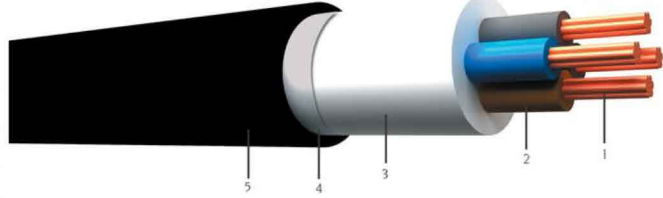
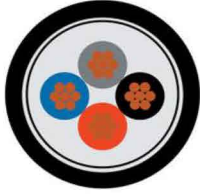
LOW VOLTAGE CABLES

Teknik Özellikler / Technical Features						
Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi		İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity		Conductor DC Resistance at (20 °C)	Net Weight	Delivery Length
mm ²	mm	Havada Alır (A)	Toprakta Ground (A)	Ohm / Km	Kg / Km	Mt
5 x 35 mm	33.60	155	157	0.524	3,212.69	1000
5 x 50 mm	38.30	189	185	0.387	4,198.79	1000
5 x 70 mm	42.90	215	212	0.268	5,487.63	1000
5 x 95 mm	49.60	266	255	0.193	7,334.15	1000
5 x 120 mm	53.80	308	289	0.153	8,840.80	500
5 x 150 mm	59.20	357	327	0.124	10,729.64	500
5 x 185 mm	65.80	405	366	0.099	13,199.30	500
5 x 240 mm	73.90	482	425	0.075	16,831.60	500
5 x 300 mm	81.80	552	479	0.060	20,717.72	500
5 x 400 mm	91.00	643	545	0.047	26,002.94	500

ALÇAK GERİLİM KABLOLARI
Low Voltage Cables

0.6/1 kV PVC İZOLELİ, ÇİFT KAT ÇELİK BANTLI ÇOK DAMARLI, BAKIR İLETKENLİ KABLOLAR 0.6/1 kV PVC INSULATED DOUBLE STEEL TAPE ARMoured MULTI-CORE CABLES WITH COPPER CONDUCTOR

YVZ4V	0.6/1 Kv	TS IEC 60502-1
NYBY	0.6/1 Kv	VDE 0271



1. Bir veya çok telli bakır iletken
2. PVC izole
3. PVC dolgu
4. Galvanizli çelik bant
5. PVC dış kılıf

1. Solid or stranded copper conductor
2. PVC insulation
3. PVC filler
4. Galvanized double steel tape
5. PVC outer sheath

TEKNİK ÖZELLİKLER

İzin verilen işletme sıcaklığı : 70°C
 Kısa devre sıcaklığı : 160°C (+ ≤5 sn)
 Test gerilimi (AC) : 3.5 kV
 Serim Sıcaklığı min. : - 5°C

TECHNICAL DATA

Permissible operating temperature : 70°C
 Maximum short circuit temp. : 160°C (+ ≤5second)
 Test voltage (AC) : 3.5 kV
 Installation temp.:-5°C

KULLANIM ALANLARI

Mekanik zorlanmaların bulunduğu dahili ve harici yerlerde kullanılır.

APPLICATIONS

Switching stations, industrial plants, where there is risk of mechanical damage.

Teknik Özellikler / Technical Features

Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi		İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity		Conductor DC Resistance at (20 °C)	Net Weight	Delivery Lenght
mm ²	mm	Havada Air (A)	Toprakta Ground (A)	Ohm / Km	Kg / Km	Mt
3 x 10 rm	19.00	60	68	1.830	780.83	1000
3 x 16 rm	21.10	79	88	1.150	1,029.99	1000
3 x 25 rm	24.40	105	114	0.727	1,442.83	1000
3 x 35 rm	27.00	129	137	0.524	1,839.89	1000
3 x 50 rm	30.60	162	168	0.387	2,404.06	1000
3 x 70 rm	34.70	203	206	0.268	3,222.02	1000
3 x 95 rm	41.00	250	247	0.193	4,790.05	1000
3 x 120 rm	44.60	289	281	0.153	5,777.67	500
3 x 150 rm	48.90	330	315	0.124	6,964.74	500
3 x 185 rm	53.90	381	356	0.099	8,489.15	500
3 x 240 rm	60.70	451	412	0.075	10,823.50	500
3 x 300 rm	66.90	517	464	0.060	13,245.84	500
3 x 400 rm	74.70	594	524	0.047	16,675.35	500
3 x 16 + 10 rm	22.30	68	77	1.830	1,173.62	1000
3 x 25 + 16 rm	25.60	90	99	1.150	1,636.66	1000
3 x 35 + 16 rm	27.80	121	128	0.727	2,008.05	1000
3 x 50 + 25 rm	32.20	149	154	0.524	2,717.84	1000
3 x 70 + 35 rm	37.40	173	173	0.387	4,047.75	1000
3 x 95 + 50 rm	42.80	215	212	0.268	5,335.24	1000
3 x 120 + 70 rm	46.90	266	255	0.193	6,553.74	1000
3 x 150 + 70 rm	50.30	352	479	0.060	7,630.57	500

0.6/1 kV PVC İZOLELİ, ÇİFT KAT ÇELİK BANTLI ÇOK DAMARLI, BAKIR İLETKENLİ KABLOLAR 0.6/1 kV PVC INSULATED DOUBLE STEEL TAPE ARMoured MULTI-CORE CABLES WITH COPPER CONDUCTOR

YVZ4V	0.6/1 Kv	TS IEC 60502-1
NYBY	0.6/1 Kv	VDE 0271

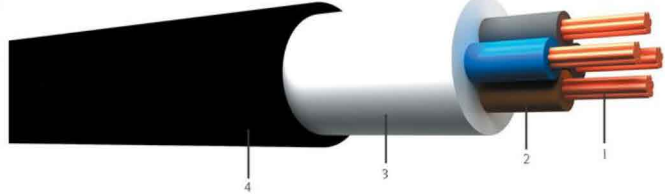
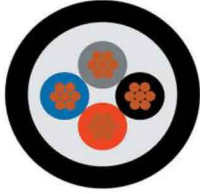
Teknik Özellikler / Technical Features						
Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi		İletken DC Direnci (20 °C)	Net Ağırlık	Sevki Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity		Conductor DC Resistance at (20 °C)	Net Weight	Delivery Length
mm ²	mm	Havada Air (A)	Toprakta Ground (A)	Ohm / Km	Kg / Km	Mt
3 x 185 + 95 rm	56.50	643	545	0.047	9,549.33	500
3 x 240 + 120 rm	62.60	357	327	0.124	11,968.84	500
3 x 300 + 150 rm	69.00	405	366	0.099	14,652.76	500
3 x 400 + 185 rm	77.10	482	425	0.075	18,427.88	500
4 x 10 rm	49.30	68	77	1.830	7,251.23	1000
4 x 16 rm	53.80	90	99	1.150	8,722.55	1000
4 x 25 rm	59.90	121	128	0.727	10,752.19	1000
4 x 35 rm	67.10	149	154	0.524	13,662.05	1000
4 x 50 rm	74.40	173	173	0.387	16,850.27	1000
4 x 70 rm	83.90	215	212	0.268	22,173.06	1000
4 x 95 rm	24.30	266	255	0.193	1,385.12	1000
4 x 120 rm	28.20	308	289	0.153	2,009.48	500
4 x 150 rm	30.80	357	327	0.124	2,499.05	500
4 x 185 rm	37.10	405	366	0.099	3,841.19	500
4 x 240 rm	41.30	482	425	0.075	4,988.84	500
4 x 300 rm	47.80	552	479	0.060	6,673.75	500
4 x 400 rm	52.00	643	545	0.047	8,124.30	500
4 x 10 + 6 rm	56.50	68	77	1.830	9,630.55	1000
4 x 16 + 10 rm	62.90	90	99	1.150	11,935.91	1000
4 x 25 + 16 rm	70.10	121	128	0.727	15,071.75	1000
4 x 35 + 16 rm	77.70	149	154	0.524	18,579.33	1000
4 x 50 + 25 rm	87.60	173	173	0.387	24,370.77	1000
4 x 70 + 35 rm	22.10	215	212	0.268	1,105.47	1000
4 x 95 + 50 rm	24.80	266	255	0.193	1,496.85	1000
4 x 120 + 70 rm	29.10	308	289	0.153	2,148.28	500
4 x 150 + 70 rm	32.80	357	327	0.124	2,813.58	500
4 x 185 + 95 rm	38.50	405	366	0.099	4,162.81	500
4 x 240 + 120 rm	43.30	482	425	0.075	5,477.39	500
4 x 300 + 150 rm	50.00	552	479	0.060	7,318.25	500
4 x 400 + 185 rm	54.20	643	545	0.047	8,822.18	500
5 x 10 rm	59.60	71	78	1.830	10,709.37	1000
5 x 16 rm	66.00	94	101	1.150	13,139.13	1000
5 x 25 rm	74.30	126	131	0.727	16,801.92	1000
5 x 35 rm	83.40	155	157	0.524	21,707.54	1000
5 x 50 rm	92.60	189	185	0.387	27,126.59	1000
5 x 70 rm	43.30	215	212	0.268	5,496.65	1000
5 x 95 rm	50.00	266	255	0.193	7,326.10	1000
5 x 120 rm	54.40	308	289	0.153	8,907.48	500
5 x 150 rm	59.80	357	327	0.124	10,811.86	500
5 x 185 rm	66.20	405	366	0.099	13,272.17	500
5 x 240 rm	74.50	482	425	0.075	16,935.33	500
5 x 300 rm	82.40	552	479	0.060	20,850.46	500
5 x 400 rm	92.00	643	545	0.047	26,398.20	500

ALÇAK GERİLİM KABLOLARI
 Low Voltage Cables

0.6/1 kV XLPE İZOLELİ, ÇOK DAMARLI, BAKIR İLETKENLİ KABLOLAR

0.6/1 kV XLPE INSULATED, MULTI-CORE CABLES, WITH COPPER CONDUCTOR

YXV	0.6/1 Kv	TS IEC 60502-1
N2XY	0.6/1 Kv	VDE 0271



1. Bir veya çok telli bakır iletken
2. XLPE izole
3. PVC dolgu
4. PVC dış kılıf

1. Solid or stranded copper conductor
2. XLPE insulation
3. PVC filler
4. PVC outer sheath

TEKNİK ÖZELLİKLER

İzin verilen işletme sıcaklığı : 90°C
 Kısa devre sıcaklığı : 250°C (+ <5 sn)
 Test gerilimi (AC) : 3.5 kV
 Serim Sıcaklığı min. : - 5°C

TECHNICAL DATA

Permissible operating temperature : 90°C
 Maximum short circuit temp. : 250°C (+ <5second)
 Test voltage (AC) : 3.5 kV
 Installation temp. : -5°C

KULLANIM ALANLARI

Bina içinde boru içinde ve endüstriyel favına yada mekanik hasar beklenmeyen dağıtım merkezlerinde kullanım içindir. Yüksek çalışma sıcaklıklarına uyum gösterir. Kısa süreli ani sıcaklık artışlarına dayanıklıdır, daha uzun ömürlüdür.

APPLICATIONS

For indoor and outdoor in cable duct and in industrial plants or switching stations where mechanical damage is not anticipated. Suitable for comparatively high ambient temperature due to high maximum permissible conductor temperature

Teknik Özellikler / Technical Features

Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi				İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity				Conductor DC Resistance at (20°C)	Net Weight	Delivery Length
mm ²	mm	Havada Air (A)	Toprakta Ground (A)	Havada Air (A)	Toprakta Ground (A)	Ohm / Km	Kg	Mt
1 x 1.5 re	5.60	25	33	26	33	12.100	45.35	1000
1 x 2.5 re	6.00	34	43	35	43	7.410	57.24	1000
1 x 4 re	6.40	45	56	46	55	4.610	73.43	1000
1 x 6 re	6.90	57	69	58	68	3.080	94.82	1000
1 x 1.5 rm	5.80	25	33	26	33	12.100	47.58	1000
1 x 2.5 rm	6.20	34	43	35	43	7.410	59.60	1000
1 x 4 rm	6.80	45	56	46	55	4.610	78.46	1000
1 x 6 rm	8.00	57	69	58	68	3.080	110.11	1000
1 x 10 rm	8.00	78	92	80	91	1.830	140.89	1000
1 x 16 rm	9.00	104	118	107	117	1.150	201.63	1000
1 x 25 rm	10.10	141	152	145	151	0.727	290.52	1000
1 x 35 rm	11.60	173	182	178	180	0.524	394.10	1000
1 x 50 rm	12.80	213	216	220	214	0.387	519.04	1000
1 x 70 rm	14.80	271	265	279	261	0.268	726.53	1000
1 x 95 rm	16.80	335	316	346	312	0.193	979.86	1000
1 x 120 rm	18.60	392	359	404	355	0.153	1,225.70	1000
1 x 150 rm	20.60	451	403	466	397	0.124	1,511.95	1000
1 x 185 rm	22.80	526	455	543	449	0.099	1,871.00	1000

0.6/1 kV XLPE İZOLELİ, ÇOK DAMARLI, BAKIR İLETKENLİ KABLOLAR

0.6/1 kV XLPE INSULATED, MULTI-CORE CABLES, WITH COPPER CONDUCTOR

YXV	0.6/1 Kv	TS IEC 60502-1
N2XY	0.6/1 Kv	VDE 0271

ALÇAK GERİLİM KABLOLARI

LOW VOLTAGE CABLES

Teknik Özellikler / Technical Features								
Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi				İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity				Conductor DC Resistance at (20°C)	Net Weight	Delivery Lenght
mm²	mm	Havada Air (A) 🌬️	Toprakta Ground (A) 🌍	Havada Air (A) 🌬️	Toprakta Ground (A) 🌍	Ohm / Km	Kg	Mt
1 x 240 rm	25.50	630	527	650	519	0.075	2,419.96	1000
1 x 300 rm	28.20	728	593	751	584	0.060	3,012.15	500
1 x 400 rm	31.60	848	671	875	660	0.047	3,862.16	500
1 x 500 rm	35.20	985	757	1018	744	0.037	4,888.53	500
1 x 630 rm	39.40	1141	849	1179	834	0.028	6,243.05	500
2 x 1.5 re	11.20	29	34	29	34	12.100	176.70	1000
2 x 2.5 re	12.00	38	44	38	44	7.410	213.73	1000
2 x 4 re	12.80	50	58	50	58	4.610	260.29	1000
2 x 6 re	13.80	64	73	64	73	3.080	322.11	1000
2 x 1.5 rm	11.60	29	34	29	34	12.100	187.67	1000
2 x 2.5 rm	12.40	38	44	38	44	7.410	225.41	1000
2 x 4 rm	13.60	50	58	50	58	4.610	285.46	1000
2 x 6 rm	16.00	64	73	64	73	3.080	399.74	1000
2 x 10 rm	16.00	88	98	88	98	1.830	461.30	1000
2 x 16 rm	18.00	116	128	116	128	1.150	631.70	1000
2 x 25 rm	20.20	154	165	154	165	0.727	870.09	1000
2 x 35 rm	23.20	190	199	190	199	0.524	1,171.33	1000
2 x 50 rm	25.60	230	236	230	236	0.387	1,505.96	1000
2 x 70 rm	29.40	292	292	292	292	0.268	2,063.89	1000
2 x 95 rm	34.20	356	348	356	348	0.193	2,822.27	1000
2 x 120 rm	37.60	414	397	414	397	0.153	3,482.77	1000
2 x 150 rm	41.40	474	445	474	445	0.124	4,263.01	1000
2 x 185 rm	46.60	544	502	544	502	0.099	5,357.28	500
2 x 240 rm	52.00	644	582	644	582	0.075	6,842.77	500
2 x 300 rm	57.80	737	654	737	654	0.060	8,522.52	500
2 x 400 rm	64.60	834	741	834	741	0.047	10,831.75	500
3 x 1.5 re	10.90	21	28	21	28	12.100	177.31	1000
3 x 2.5 re	11.80	32	37	32	37	7.410	223.03	1000
3 x 4 re	13.40	43	49	43	49	4.610	303.55	1000
3 x 6 re	14.50	54	61	54	61	3.080	383.60	1000
3 x 1.5 rm	12.10	21	28	21	28	12.100	209.36	1000
3 x 2.5 rm	13.00	32	37	32	37	7.410	257.50	1000
3 x 4 rm	14.30	43	49	43	49	4.610	332.03	1000
3 x 6 rm	16.90	54	61	54	61	3.080	468.22	1000
3 x 10 rm	16.90	74	83	74	83	1.830	560.56	1000
3 x 16 rm	19.00	99	107	99	107	1.150	779.01	1000
3 x 25 rm	21.40	131	139	131	139	0.727	1,095.79	1000
3 x 35 rm	24.70	162	167	162	167	0.524	1,486.85	1000
3 x 50 rm	27.40	200	203	200	203	0.387	1,936.59	1000
3 x 70 rm	31.90	252	248	252	248	0.268	2,708.27	1000
3 x 95 rm	36.70	309	298	309	298	0.193	3,664.87	1000
3 x 120 rm	40.30	359	339	359	339	0.153	4,530.00	500
3 x 150 rm	44.80	411	379	411	379	0.124	5,605.89	500
3 x 185 rm	50.00	475	430	475	430	0.099	6,974.03	500
3 x 240 rm	56.20	562	497	562	497	0.075	9,005.91	500
3 x 300 rm	62.00	645	560	645	560	0.060	11,143.53	500
3 x 400 rm	69.50	745	670	745	670	0.047	14,229.43	500
3 x 10 + 6 rm	18.20	81	89	81	89	1.830	634.64	1000
3 x 16 + 10 rm	20.00	108	116	108	116	1.150	891.84	1000
3 x 25 + 16 rm	22.70	146	151	146	151	0.727	1,272.29	1000
3 x 35 + 16 rm	25.40	180	181	180	181	0.524	1,631.96	1000
3 x 50 + 25 rm	28.40	212	208	212	208	0.387	2,171.22	1000
3 x 70 + 35 rm	33.40	265	254	265	254	0.268	3,058.33	1000

ALÇAK GERİLİM KABLOLARI
Low Voltage Cables

0.6/1 kV XLPE İZOLELİ, ÇOK DAMARLI, BAKIR İLETKENLİ KABLOLAR

0.6/1 kV XLPE INSULATED, MULTI-CORE CABLES, WITH COPPER CONDUCTOR

YXV	0.6/1 Kv	TS IEC 60502-1
N2XY	0.6/1 Kv	VDE 0271

ALÇAK GERİLİM KABLOLARI LOW VOLTAGE CABLES

Teknik Özellikler / Technical Features

Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi				İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity				Conductor DC Resistance at (20°C)	Net Weight	Delivery Length
mm ²	mm	Havada Air (A) ▲	Toprakta Ground (A) ***	Havada Air (A) ▲	Toprakta Ground (A) ▲	Ohm / Km	Kg	Mt
3 x 95 + 50 rm	37.90	327	305	327	305	0.193	4,090.31	1000
3 x 120 + 70 rm	42.70	379	347	379	347	0.153	5,239.72	500
3 x 150 + 70 rm	46.20	442	392	442	392	0.124	6,212.43	500
3 x 185 + 95 rm	51.80	504	441	504	441	0.099	7,824.45	500
3 x 240 + 120 rm	58.10	597	511	597	511	0.075	10,061.97	500
3 x 300 + 150 rm	64.10	685	576	685	576	0.060	12,444.65	500
3 x 400 + 185 rm	72.10	790	670	790	670	0.047	15,909.52	500
4 x 1.5 re	12.40	27	31	27	31	12.100	228.04	1000
4 x 2.5 re	13.40	35	41	35	41	7.410	286.74	1000
4 x 4 re	13.60	47	53	47	53	4.610	334.86	1000
4 x 6 re	15.60	59	67	59	67	3.080	463.77	1000
4 x 1.5 rm	12.90	27	31	27	31	12.100	242.39	1000
4 x 2.5 rm	13.90	35	41	35	41	7.410	302.12	1000
4 x 4 rm	15.30	47	53	47	53	4.610	392.74	1000
4 x 6 rm	18.20	59	67	59	67	3.080	559.36	1000
4 x 10 rm	18.20	81	89	81	89	1.830	682.49	1000
4 x 16 rm	20.70	108	116	108	116	1.150	969.58	1000
4 x 25 rm	23.30	146	151	146	151	0.727	1,371.38	1000
4 x 35 rm	27.10	180	181	180	181	0.524	1,874.74	1000
4 x 50 rm	30.20	212	208	212	208	0.387	2,461.13	1000
4 x 70 rm	35.20	265	254	265	254	0.268	3,450.13	1000
4 x 95 rm	40.40	327	305	327	305	0.193	4,662.13	1000
4 x 120 rm	45.10	379	347	379	347	0.153	5,858.84	500
4 x 150 rm	49.70	442	392	442	392	0.124	7,187.77	500
4 x 185 rm	55.80	504	441	504	441	0.099	8,994.94	500
4 x 240 rm	62.20	597	511	597	511	0.075	11,530.90	500
4 x 300 rm	68.70	685	576	685	576	0.060	14,293.71	500
4 x 400 rm	77.40	790	670	790	670	0.047	18,351.01	500
4 x 10 + 6 rm	19.70	81	89	81	89	1.830	772.60	1000
4 x 16 + 10 rm	21.80	108	116	108	116	1.150	1,093.56	1000
4 x 25 + 16 rm	24.80	146	151	146	151	0.727	1,569.20	1000
4 x 35 + 16 rm	28.20	180	181	180	181	0.524	2,056.66	1000
4 x 50 + 25 rm	32.00	212	208	212	208	0.387	2,776.14	1000
4 x 70 + 35 rm	37.10	265	254	265	254	0.268	3,856.44	1000
4 x 95 + 50 rm	42.90	327	305	327	305	0.193	5,253.67	1000
4 x 120 + 70 rm	47.50	379	347	379	347	0.153	6,606.18	500
4 x 150 + 70 rm	51.80	442	392	442	392	0.124	7,917.02	500
4 x 185 + 95 rm	58.40	504	441	504	441	0.099	10,008.34	500
4 x 240 + 120 rm	65.10	597	511	597	511	0.075	12,805.18	500
4 x 300 + 150 rm	72.20	685	576	685	576	0.060	15,923.11	500
4 x 400 + 185 rm	80.90	790	670	790	670	0.047	20,290.93	500
5 x 1.5 re	13.20	27	32	27	32	12.100	262.56	1000
5 x 2.5 re	14.30	36	42	36	42	7.410	333.31	1000
5 x 4 re	15.40	48	54	48	54	4.610	426.77	1000
5 x 6 re	16.70	61	68	61	68	3.080	547.48	1000
5 x 1.5 rm	13.70	27	32	27	32	12.100	277.29	1000
5 x 2.5 rm	14.80	36	42	36	42	7.410	349.11	1000
5 x 4 rm	16.40	48	54	48	54	4.610	460.97	1000
5 x 6 rm	19.70	61	68	61	68	3.080	666.54	1000
5 x 10 rm	19.70	84	91	84	91	1.830	820.44	1000
5 x 16 rm	22.40	112	118	112	118	1.150	1,168.62	1000
5 x 25 rm	25.40	152	153	152	153	0.727	1,671.98	1000
5 x 35 rm	29.80	187	184	187	184	0.524	2,304.38	1000

0.6/1 kV XLPE İZOLELİ, ÇOK DAMARLI, BAKIR İLETKENLİ KABLOLAR

0.6/1 kV XLPE INSULATED, MULTI-CORE CABLES, WITH COPPER CONDUCTOR

YXV	0.6/1 Kv	TS IEC 60502-1
N2XY	0.6/1 Kv	VDE 0271

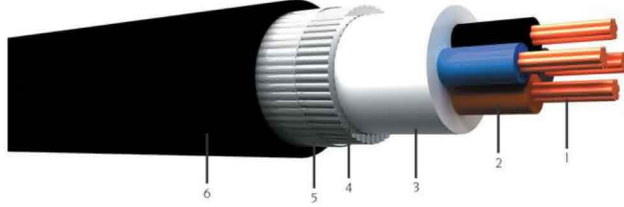
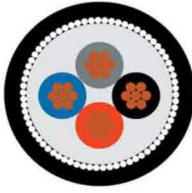
ALÇAK GERİLİM KABLOLARI LOW VOLTAGE CABLES

Teknik Özellikler / Technical Features								
Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi				İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity				Conductor DC Resistance at (20°C)	Net Weight	Delivery Length
mm ²	mm	Havada Air (A) ☼	Toprakta Ground (A) ***	Havada Air (A) ***	Toprakta Ground (A) ☼	Ohm / Km	Kg	Mt
5 x 50 rm	33.60	227	217	227	217	0.387	3,065.17	1000
5 x 70 rm	38.90	347	252	347	252	0.268	4,263.60	1000
5 x 95 rm	45.10	305	303	305	303	0.193	5,822.09	1000
5 x 120 rm	49.60	355	346	355	346	0.153	7,215.41	500
5 x 150 rm	55.30	407	390	407	390	0.124	8,948.43	500
5 x 185 rm	61.60	469	441	469	441	0.099	11,111.92	500
5 x 240 rm	68.80	551	511	551	511	0.075	14,277.11	500
5 x 300 rm	76.50	638	580	638	580	0.060	17,805.19	500
5 x 400 rm	85.80	746	663	746	663	0.047	22,766.34	500
7 x 1.5 re	14.00	15	20	15	20	12.100	305.10	1000
7 x 2.5 re	15.20	21	26	21	26	7.410	394.15	1000
7 x 1.5 rm	14.60	15	20	15	20	12.100	323.49	1000
7 x 2.5 rm	15.80	21	26	21	26	7.410	413.88	1000
10 x 1.5 re	15.40	12	16	12	16	12.100	381.00	1000
10 x 2.5 re	16.80	18	22	18	22	7.410	501.56	1000
10 x 1.5 rm	16.10	12	16	12	16	12.100	403.98	1000
10 x 2.5 rm	17.50	18	22	18	22	7.410	526.33	1000
12 x 1.5 re	16.60	12	16	12	16	12.100	447.11	1000
12 x 2.5 re	18.10	17	21	17	21	7.410	589.16	1000
12 x 1.5 rm	17.30	12	16	12	16	12.100	470.98	1000
12 x 2.5 rm	18.90	17	21	17	21	7.410	620.12	1000
14 x 1.5 re	17.40	12	16	12	16	12.100	497.64	1000
14 x 2.5 re	19.10	16	20	16	20	7.410	665.41	1000
14 x 1.5 rm	18.20	12	16	12	16	12.100	526.68	1000
14 x 2.5 rm	19.90	16	20	16	20	7.410	696.91	1000
19 x 1.5 re	19.60	10	14	10	14	12.100	643.18	1000
19 x 2.5 re	21.60	14	18	14	18	7.410	868.85	1000
19 x 1.5 rm	20.60	10	14	10	14	12.100	685.04	1000
19 x 2.5 rm	22.60	14	18	14	18	7.410	914.51	1000
21 x 1.5 re	20.50	10	13	10	13	12.100	706.53	1000
21 x 2.5 re	22.60	14	17	14	17	7.410	955.36	1000
21 x 1.5 rm	21.50	10	13	10	13	12.100	749.45	1000
21 x 2.5 rm	23.70	14	17	14	17	7.410	1,008.88	1000
24 x 1.5 re	21.30	9	12	9	12	12.100	772.35	1000
24 x 2.5 re	23.60	13	16	13	16	7.410	1,056.69	1000
24 x 1.5 rm	22.40	9	12	9	12	12.100	821.59	1000
24 x 2.5 rm	24.70	13	16	13	16	7.410	1,110.74	1000
30 x 1.5 re	23.30	8	11	8	11	12.100	935.89	1000
30 x 2.5 re	25.80	13	16	13	16	7.410	1,282.80	1000
30 x 1.5 rm	24.50	8	11	8	11	12.100	993.81	1000
30 x 2.5 rm	27.30	13	16	13	16	7.410	1,366.79	1000
40 x 1.5 re	23.90	8	11	8	11	12.100	928.43	1000
40 x 2.5 re	26.10	11	14	11	14	7.410	1,194.40	1000
40 x 1.5 rm	27.70	8	11	8	11	12.100	1,282.94	1000
40 x 2.5 rm	30.90	11	14	11	14	7.410	1,772.89	1000
48 x 1.5 re	29.10	7	10	7	10	12.100	1,477.27	1000
48 x 2.5 re	33.20	10	13	10	13	7.410	2,111.45	1000
48 x 1.5 rm	30.90	7	10	7	10	12.100	1,590.65	1000
48 x 2.5 rm	34.90	10	13	10	13	7.410	2,233.95	1000
61 x 1.5 re	31.60	6	9	6	9	12.100	1,771.06	1000
61 x 2.5 re	35.40	9	12	9	12	7.410	2,481.95	1000
61 x 1.5 rm	33.60	6	9	6	9	12.100	1,906.06	1000
61 x 2.5 rm	37.40	9	12	9	12	7.410	2,631.95	1000

0.6/1 kV XLPE İZOLELİ, YUVARLAK ÇELİK TEL ZIRHLI ÇOK DAMARLI, BAKIR İLETKENLİ KABLOLAR

0.6/1 kV XLPE INSULATED, ROUND STEEL WIRE ARMoured, MULTI-CORE CABLES WITH COPPER CONDUCTOR

YXZ2V	0.6/1 Kv	TS IEC 60502-1
N2XRY	0.6/1 Kv	VDE 0271



1. Bir veya çok telli bakır iletken
2. XLPE izole
3. PVC dolgu
4. Galvanizli yuvarlak çelik tel
5. Polyester bant
6. PVC dış kılıf

1. Solid or stranded copper conductor
2. XLPE insulation
3. PVC filler
4. Galvanised round steel wires
5. Polyester tape
6. PVC outer sheath

TEKNİK ÖZELLİKLER

İzin verilen işletme sıcaklığı : 90°C
 Kısa devre sıcaklığı : 250°C (+ <5 sn)
 Test gerilimi (AC) : 3.5 kV
 Serim Sıcaklığı min. : -5°C

TECHNICAL DATA

Permissible operating temperature : 90°C
 Maximum short circuit temp. : 250°C (+ <5second)
 Test voltage (AC) : 3.5 kV
 Installation temp.min:-5°C

KULLANIM ALANLARI

Bina içinde veya dışında, yer altında, boru içinde açıkta, mekanik koruma istenilen yada yerleştirme ve çalışma sırasında maruz kalınan daha yüksek zorlanmaların olduğu yerlerde, kemirgen hayvanların bulunduğu ortamlarda kullanımı içindir. Yüksek çalışma sıcaklığına uyum gösterir. Kısa süreli ani sıcaklık artışlarına dayanıklıdır, daha uzun ömürlüdür.

APPLICATIONS

For indoor, outdoor and underground installation in ducts and in the open where better mechanical protection is required, or for higher tensile stress during installation and operation. Suitable for comparatively high ambient temperature due to high maximum permissible conductor temperature.

Teknik Özellikler / Technical Features

Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi				İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity				Conductor DC Resistance at (20°C)	Net Weight	Delivery Length
mm²	mm	Havada Air (A) ***	Toprakta Ground (A) ***	Havada Air (A) ***	Toprakta Ground (A) ***	Ohm / Km	Kg	Mt
1 x 10 mm	10.40	78	92	80	91	1.830	249.69	1000
1 x 16 mm	11.40	104	118	107	117	1.150	328.46	1000
1 x 25 mm	12.50	141	152	145	151	0.727	435.40	1000
1 x 35 mm	14.00	173	182	178	180	0.524	566.21	1000
1 x 50 mm	16.10	213	216	220	214	0.387	810.95	1000
1 x 70 mm	17.90	271	265	279	261	0.268	1,053.46	1000
1 x 95 mm	19.90	335	316	346	312	0.193	1,357.54	1000
1 x 120 mm	22.20	392	359	404	355	0.153	1,750.23	1000
1 x 150 mm	24.00	451	403	466	397	0.124	2,079.25	1000
1 x 185 mm	26.20	526	455	543	449	0.099	2,517.97	1000
1 x 240 mm	28.90	630	527	650	519	0.075	3,148.39	1000
1 x 300 mm	31.60	728	593	751	584	0.060	3,807.70	500

0.6/1 kV XLPE İZOLELİ, YUVARLAK ÇELİK TEL ZIRHLI ÇOK DAMARLI, BAKIR İLETKENLİ KABLOLAR

0.6/1 kV XLPE INSULATED, ROUND STEEL WIRE ARMoured, MULTI-CORE CABLES WITH COPPER CONDUCTOR

YXZ2V	0.6/1 Kv	TS IEC 60502-1
N2XRY	0.6/1 Kv	VDE 0271

ALÇAK GERİLİM KABLOLARI

LOW VOLTAGE CABLES

Teknik Özellikler / Technical Features								
Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi				İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity				Conductor DC Resistance at (20°C)	Net Weight	Delivery Length
mm ²	mm	Havada Air (A) ▲	Toprakta Ground (A) ▲▲	Havada Air (A) ▲▲	Toprakta Ground (A) ▲▲	Ohm / Km	Kg	Mt
1 x 400 mm	36.00	848	671	875	660	0.047	5,023.51	500
1 x 500 mm	39.60	985	757	1018	744	0.037	6,173.20	500
1 x 630 mm	43.60	1141	849	1179	834	0.028	7,653.28	500
2 x 1.5 re	12.80	29	34	29	34	12.100	305.00	1000
2 x 2.5 re	13.60	38	44	38	44	7.410	354.15	1000
2 x 4 re	14.40	50	58	50	58	4.610	416.82	1000
2 x 6 re	16.30	64	73	64	73	3.080	585.53	1000
2 x 1.5 mm	13.20	29	34	29	34	12.100	323.85	1000
2 x 2.5 mm	14.00	38	44	38	44	7.410	373.73	1000
2 x 4 mm	16.10	50	58	50	58	4.610	548.40	1000
2 x 6 mm	17.30	64	73	64	73	3.080	648.37	1000
2 x 10 mm	18.50	88	98	88	98	1.830	783.27	1000
2 x 16 mm	20.50	116	128	116	128	1.150	1,003.27	1000
2 x 25 mm	23.40	154	165	154	165	0.727	1,407.30	1000
2 x 35 mm	26.40	190	199	190	199	0.524	1,805.83	1000
2 x 50 mm	29.00	230	236	230	236	0.387	2,241.00	1000
2 x 70 mm	33.80	292	292	292	292	0.268	3,135.85	1000
2 x 95 mm	38.40	356	348	356	348	0.193	4,059.54	1000
2 x 120 mm	42.00	414	397	414	397	0.153	4,872.28	1000
2 x 150 mm	46.80	474	445	474	445	0.124	6,170.00	500
2 x 185 mm	52.00	544	502	544	502	0.099	7,508.73	500
2 x 240 mm	57.40	644	582	644	582	0.075	9,241.38	500
2 x 300 mm	63.00	737	654	737	654	0.060	11,180.83	500
2 x 400 mm	70.00	834	741	834	741	0.047	13,888.11	500
3 x 1.5 re	13.30	21	28	21	28	12.100	334.94	1000
3 x 2.5 re	14.20	32	37	32	37	7.410	398.57	1000
3 x 4 re	15.00	43	49	43	49	4.610	468.42	1000
3 x 6 re	17.00	54	61	54	61	3.080	666.98	1000
3 x 1.5 mm	13.70	21	28	21	28	12.100	353.59	1000
3 x 2.5 mm	14.60	32	37	32	37	7.410	414.00	1000
3 x 4 mm	16.80	43	49	43	49	4.610	605.06	1000
3 x 6 mm	18.10	54	61	54	61	3.080	733.26	1000
3 x 10 mm	19.40	74	83	74	83	1.830	902.86	1000
3 x 16 mm	22.20	99	107	99	107	1.150	1,285.00	1000
3 x 25 mm	24.60	131	139	131	139	0.727	1,667.08	1000
3 x 35 mm	28.10	162	167	162	167	0.524	2,185.68	1000
3 x 50 mm	30.80	200	203	200	203	0.387	2,729.14	1000
3 x 70 mm	36.30	252	248	252	248	0.268	3,867.48	1000
3 x 95 mm	40.90	309	298	309	298	0.193	4,989.47	1000
3 x 120 mm	45.70	359	339	359	339	0.153	6,361.94	500
3 x 150 mm	50.20	411	379	411	379	0.124	7,690.76	500
3 x 185 mm	55.40	475	430	475	430	0.099	9,305.19	500
3 x 240 mm	61.60	562	497	562	497	0.075	11,626.59	500
3 x 300 mm	67.40	645	560	645	560	0.060	14,058.39	500
3 x 400 mm	76.20	745	670	745	670	0.047	18,348.83	500
3 x 10 + 6 mm	20.40	81	89	81	89	1.830	985.52	1000
3 x 16 + 10 mm	23.20	108	116	108	116	1.150	1,430.45	1000
3 x 25 + 16 mm	25.90	146	151	146	151	0.727	1,892.71	1000
3 x 35 + 16 mm	28.80	180	181	180	181	0.524	2,348.69	1000
3 x 50 + 25 mm	31.80	212	208	212	208	0.387	2,998.31	1000
3 x 70 + 35 mm	37.60	265	254	265	254	0.268	4,256.20	1000
3 x 95 + 50 mm	42.30	327	305	327	305	0.193	5,492.48	1000
3 x 120 + 70 mm	48.10	379	347	379	347	0.153	7,200.89	500

0.6/1 kV XLPE İZOLELİ, YUVARLAK ÇELİK TEL ZIRHLI ÇOK DAMARLI, BAKIR İLETKENLİ KABLOLAR 0.6/1 kV XLPE INSULATED, ROUND STEEL WIRE ARMoured, MULTI-CORE CABLES WITH COPPER CONDUCTOR

YXZ2V	0.6/1 Kv	TS IEC 60502-1
N2XRY	0.6/1 Kv	VDE 0271

ALÇAK GERİLİM KABLOLARI LOW VOLTAGE CABLES

ALÇAK GERİLİM KABLOLARI
 Low Voltage Cables

Teknik Özellikler / Technical Features								
Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi				İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity				Conductor DC Resistance at (20°C)	Net Weight	Delivery Length
mm ²	mm	Havada Air (A) ☼	Toprakta Ground (A) ☼☼☼	Havada Air (A) ☼☼☼	Toprakta Ground (A) ☼☼☼	Ohm / Km	Kg	Mt
5 x 95 rm	50.30	305	303	305	303	0.193	7,882.72	1000
5 x 120 rm	55.00	355	346	355	346	0.153	9,513.32	500
5 x 150 rm	60.70	407	390	407	390	0.124	11,551.39	500
5 x 185 rm	67.00	469	441	469	441	0.099	14,004.39	500
5 x 240 rm	75.70	551	511	551	511	0.075	18,386.98	500
5 x 300 rm	83.20	638	580	638	580	0.060	22,347.62	500
5 x 400 rm	92.50	746	663	746	663	0.047	27,938.21	500
7 x 1.5 re	16.50	15	20	15	20	12.100	577.81	1000
7 x 2.5 re	17.70	21	26	21	26	7.410	696.77	1000
7 x 1.5 rm	17.10	15	20	15	20	12.100	605.83	1000
7 x 2.5 rm	18.30	21	26	21	26	7.410	726.14	1000
10 x 1.5 re	17.90	12	16	12	16	12.100	683.05	1000
10 x 2.5 re	19.30	18	22	18	22	7.410	843.60	1000
10 x 1.5 rm	18.60	12	16	12	16	12.100	725.30	1000
10 x 2.5 rm	20.00	18	22	18	22	7.410	878.00	1000
12 x 1.5 re	19.10	12	16	12	16	12.100	778.36	1000
12 x 2.5 re	20.60	17	21	17	21	7.410	960.69	1000
12 x 1.5 rm	19.80	12	16	12	16	12.100	821.49	1000
12 x 2.5 rm	22.10	17	21	17	21	7.410	1,124.28	1000
14 x 1.5 re	19.90	12	16	12	16	12.100	848.45	1000
14 x 2.5 re	22.30	16	20	16	20	7.410	1,170.16	1000
14 x 1.5 rm	20.70	12	16	12	16	12.100	896.76	1000
14 x 2.5 rm	23.10	16	20	16	20	7.410	1,233.23	1000
19 x 1.5 re	22.80	10	14	10	14	12.100	1,162.42	1000
19 x 2.5 re	24.80	14	18	14	18	7.410	1,453.99	1000
19 x 1.5 rm	23.80	10	14	10	14	12.100	1,235.84	1000
19 x 2.5 rm	25.80	14	18	14	18	7.410	1,531.21	1000
21 x 1.5 re	23.70	10	13	10	13	12.100	1,257.63	1000
21 x 2.5 re	25.80	14	17	14	17	7.410	1,572.65	1000
21 x 1.5 rm	24.70	10	13	10	13	12.100	1,332.12	1000
21 x 2.5 rm	27.10	14	17	14	17	7.410	1,670.46	1000
24 x 1.5 re	24.50	9	12	9	12	12.100	1,339.68	1000
24 x 2.5 re	27.00	13	16	13	16	7.410	1,719.10	1000
24 x 1.5 rm	25.60	9	12	9	12	12.100	1,420.49	1000
24 x 2.5 rm	28.10	13	16	13	16	7.410	1,805.23	1000
30 x 1.5 re	26.70	8	11	8	11	12.100	1,579.78	1000
30 x 2.5 re	29.20	13	16	13	16	7.410	2,011.15	1000
30 x 1.5 rm	27.90	8	11	8	11	12.100	1,685.61	1000
30 x 2.5 rm	30.70	13	16	13	16	7.410	2,144.70	1000
40 x 1.5 re	29.50	8	11	8	11	12.100	1,935.79	1000
40 x 2.5 re	33.60	11	14	11	14	7.410	2,706.70	1000
40 x 1.5 rm	31.10	8	11	8	11	12.100	2,058.15	1000
40 x 2.5 rm	35.10	11	14	11	14	7.410	2,874.60	1000
48 x 1.5 re	33.50	7	10	7	10	12.100	2,513.37	1000
48 x 2.5 re	37.40	10	13	10	13	7.410	3,292.47	1000
48 x 1.5 rm	35.10	7	10	7	10	12.100	2,687.73	1000
48 x 2.5 rm	39.30	10	13	10	13	7.410	3,508.22	1000
61 x 1.5 re	36.00	6	9	6	9	12.100	2,911.97	1000
61 x 2.5 re	39.80	9	12	9	12	7.410	3,785.18	1000
61 x 1.5 rm	37.80	6	9	6	9	12.100	3,106.87	1000
61 x 2.5 rm	41.60	9	12	9	12	7.410	3,968.63	1000

0.6/1 kV XLPE İZOLELİ, YUVARLAK ÇELİK TEL ZIRHLI ÇOK DAMARLI, BAKIR İLETKENLİ KABLOLAR

0.6/1 kV XLPE INSULATED, ROUND STEEL WIRE ARMoured, MULTI-CORE CABLES WITH COPPER CONDUCTOR

YXZ2V	0.6/1 Kv	TS IEC 60502-1
N2XRY	0.6/1 Kv	VDE 0271

ALÇAK GERİLİM KABLOLARI

LOW VOLTAGE CABLES

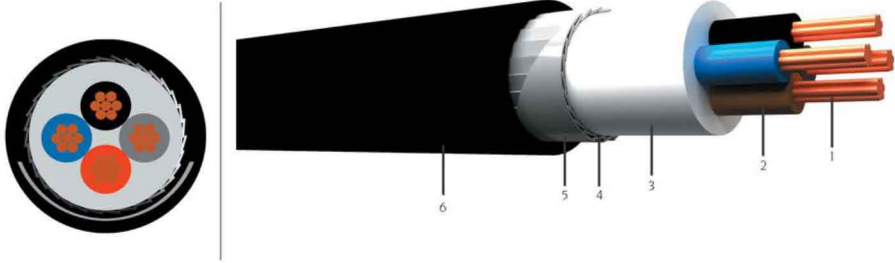
Teknik Özellikler / Technical Features								
Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi				İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity				Conductor DC Resistance at (20°C)	Net Weight	Delivery Length
mm ²	mm	Havada Air (A) ☼	Toprakta Ground (A) ☼☼☼	Havada Air (A) ☼☼☼	Toprakta Ground (A) ☼☼☼	Ohm / Km	Kg	Mt
3 x 150 + 70 rm	51.60	442	392	442	392	0.124	8,348.53	500
3 x 185 + 95 rm	57.00	504	441	504	441	0.099	10,220.11	500
3 x 240 + 120 rm	63.50	597	511	597	511	0.075	12,777.00	500
3 x 300 + 150 rm	69.50	685	576	685	576	0.060	15,459.10	500
3 x 400 + 185 rm	79.00	790	670	790	670	0.047	20,272.08	500
4 x 1.5 re	14.00	27	31	27	31	12.100	376.36	1000
4 x 2.5 re	15.00	35	41	35	41	7.410	451.42	1000
4 x 4 re	16.90	47	53	47	53	4.610	646.81	1000
4 x 6 re	18.10	59	67	59	67	3.080	776.74	1000
4 x 1.5 rm	14.50	27	31	27	31	12.100	398.60	1000
4 x 2.5 rm	16.40	35	41	35	41	7.410	565.33	1000
4 x 4 rm	17.80	47	53	47	53	4.610	695.12	1000
4 x 6 rm	19.30	59	67	59	67	3.080	848.31	1000
4 x 10 rm	20.70	81	89	81	89	1.830	1,054.75	1000
4 x 16 rm	23.90	108	116	108	116	1.150	1,524.70	1000
4 x 25 rm	26.70	146	151	146	151	0.727	2,020.84	1000
4 x 35 rm	30.50	180	181	180	181	0.524	2,643.14	1000
4 x 50 rm	34.40	212	208	212	208	0.387	3,557.31	1000
4 x 70 rm	39.60	265	254	265	254	0.268	4,746.66	1000
4 x 95 rm	45.80	327	305	327	305	0.193	6,495.88	1000
4 x 120 rm	50.30	379	347	379	347	0.153	7,920.61	500
4 x 150 rm	55.10	442	392	442	392	0.124	9,492.82	500
4 x 185 rm	61.20	504	441	504	441	0.099	11,626.02	500
4 x 240 rm	67.60	597	511	597	511	0.075	14,454.76	500
4 x 300 rm	75.60	685	576	685	576	0.060	18,399.38	500
4 x 400 rm	84.10	790	670	790	670	0.047	23,025.51	500
4 x 10 + 6 rm	22.60	81	89	81	89	1.830	1,281.28	1000
4 x 16 + 10 rm	25.00	108	116	108	116	1.150	1,681.31	1000
4 x 25 + 16 rm	28.20	146	151	146	151	0.727	2,268.49	1000
4 x 35 + 16 rm	31.60	180	181	180	181	0.524	2,858.93	1000
4 x 50 + 25 rm	36.40	212	208	212	208	0.387	3,942.10	1000
4 x 70 + 35 rm	41.30	265	254	265	254	0.268	5,214.93	1000
4 x 95 + 50 rm	48.30	327	305	327	305	0.193	7,215.53	1000
4 x 120 + 70 rm	52.90	379	347	379	347	0.153	8,818.57	500
4 x 150 + 70 rm	57.00	442	392	442	392	0.124	10,324.13	500
4 x 185 + 95 rm	63.80	504	441	504	441	0.099	12,770.11	500
4 x 240 + 120 rm	70.50	597	511	597	511	0.075	15,901.41	500
4 x 300 + 150 rm	79.10	685	576	685	576	0.060	20,238.41	500
4 x 400 + 185 rm	87.60	790	670	790	670	0.047	25,175.23	500
5 x 1.5 re	14.80	27	32	27	32	12.100	422.86	1000
5 x 2.5 re	16.80	36	42	36	42	7.410	606.45	1000
5 x 4 re	17.90	48	54	48	54	4.610	729.60	1000
5 x 6 re	19.20	61	68	61	68	3.080	880.41	1000
5 x 1.5 rm	16.20	27	32	27	32	12.100	540.07	1000
5 x 2.5 rm	17.30	36	42	36	42	7.410	641.52	1000
5 x 4 rm	18.90	48	54	48	54	4.610	792.70	1000
5 x 6 rm	20.60	61	68	61	68	3.080	972.66	1000
5 x 10 rm	22.90	84	91	84	91	1.830	1,342.19	1000
5 x 16 rm	25.60	112	118	112	118	1.150	1,772.87	1000
5 x 25 rm	28.80	152	153	152	153	0.727	2,388.06	1000
5 x 35 rm	34.00	187	184	187	184	0.524	3,363.48	1000
5 x 50 rm	37.80	227	217	227	217	0.387	4,295.95	1000
5 x 70 rm	43.10	347	252	347	252	0.268	5,679.37	1000

ALÇAK GERİLİM KABLOLARI
Low Voltage Cables

0.6/1 kV XLPE İZOLELİ, YASSI ÇELİK TEL ZIRHLI, ÇOK DAMARLI, BAKIR İLETKENLİ KABLOLAR

0.6/1 kV XLPE INSULATED, FLAT STEEL WIRE ARMoured, MULTI-CORE CABLES WITH COPPER CONDUCTOR

YXZ3V	0.6/1 Kv	TS IEC 60502-1
N2XFGbY	0.6/1 Kv	VDE 0271



1. Bir veya çok telli bakır iletken
2. XLPE izole
3. PVC dolgu
4. Galvanizli yuvarlak çelik tel
5. Polyester bant
6. PVC dış kılıf

1. Solid or stranded copper conductor
2. XLPE insulation
3. PVC filler
4. Galvanised round steel wires
5. Polyester tape
6. PVC outer sheath

TEKNİK ÖZELLİKLER

İzin verilen işletme sıcaklığı : 90°C
 Kısa devre sıcaklığı : 250°C (+ <5 sn)
 Test gerilimi (AC) : 3.5 kV
 Serim Sıcaklığı min. : - 5°C

TECHNICAL DATA

Permissible operating temperature : 90°C
 Maximum short circuit temp. : 250°C (+ <5second)
 Test voltage (AC) : 3.5 kV
 Installation temp.min:-5°C

KULLANIM ALANLARI

Bina içinde veya dışında, yer altında, boru içinde açıkta, mekanik koruma istenilen yada yerleştirme ve çalışma sırasında maruz kalınan daha yüksek zorlanmaların olduğu yerlerde, kemirgen hayvanların bulunduğu ortamlarda kullanım içindir. Yüksek çalışma sıcaklığına uyum gösterir. Kısa süreli ani sıcaklık artışlarına dayanıklıdır, daha uzun ömürlüdür.

APPLICATIONS

For indoor, outdoor and underground installation in ducts and in the open where better mechanical protection is required, or for higher tensile stress during installation and operation. Suitable for comparatively high ambient temperature due to high maximum permissible conductor temperature.

Teknik Özellikler / Technical Features

Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi				İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity				Conductor DC Resistance at (20°C)	Net Weight	Delivery Length
mm ²	mm	Havada Air (A)	Toprakta Ground (A)	Havada Air (A)	Toprakta Ground (A)	Ohm / Km	Kg	Mt
1 x 10 mm	10.40	78	92	80	91	1.830	249.69	1000
1 x 16 mm	11.40	104	118	107	117	1.150	328.46	1000
1 x 25 mm	12.50	141	152	145	151	0.727	435.40	1000
1 x 35 mm	14.00	173	182	178	180	0.524	566.21	1000
1 x 50 mm	16.10	213	216	220	214	0.387	810.95	1000
1 x 70 mm	17.90	271	265	279	261	0.268	1,053.46	1000
1 x 95 mm	19.90	335	316	346	312	0.193	1,357.54	1000
1 x 120 mm	22.20	392	359	404	355	0.153	1,750.23	1000
1 x 150 mm	24.00	451	403	466	397	0.124	2,079.25	1000
1 x 185 mm	26.20	526	455	543	449	0.099	2,517.97	1000
1 x 240 mm	28.90	630	527	650	519	0.075	3,148.39	1000
1 x 300 mm	31.60	728	593	751	584	0.060	3,807.70	500

0.6/1 kV XLPE İZOLELİ, YASSI ÇELİK TEL ZIRHLI, ÇOK DAMARLI, BAKIR İLETKENLİ KABLOLAR 0.6/1 kV XLPE INSULATED, FLAT STEEL WIRE ARMoured, MULTI-CORE CABLES WITH COPPER CONDUCTOR

YXZ3V	0.6/1 Kv	TS IEC 60502-1
N2XFGbY	0.6/1 Kv	VDE 0271

ALÇAK GERİLİM KABLOLARI LOW VOLTAGE CABLES

Teknik Özellikler / Technical Features								
Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi				İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity				Conductor DC Resistance at (20°C)	Net Weight	Delivery Length
mm²	mm	Havada Air (A)	Toprakta Ground (A)	Havada Air (A)	Toprakta Ground (A)	Ohm / Km	Kg	Mt
1 x 400 rm	36.00	848	671	875	660	0.047	5,023.51	500
1 x 500 rm	39.60	985	757	1018	744	0.037	6,173.20	500
1 x 630 rm	43.60	1141	849	1179	834	0.028	7,653.28	500
2 x 1.5 re	12.80	29	34	29	34	12.100	305.00	1000
2 x 2.5 re	13.60	38	44	38	44	7.410	354.15	1000
2 x 4 re	14.40	50	58	50	58	4.610	416.82	1000
2 x 6 re	16.30	64	73	64	73	3.080	585.53	1000
2 x 1.5 rm	13.20	29	34	29	34	12.100	323.85	1000
2 x 2.5 rm	14.00	38	44	38	44	7.410	373.73	1000
2 x 4 rm	16.10	50	58	50	58	4.610	548.40	1000
2 x 6 rm	17.30	64	73	64	73	3.080	648.37	1000
2 x 10 rm	18.50	88	98	88	98	1.830	783.27	1000
2 x 16 rm	20.50	116	128	116	128	1.150	1,003.27	1000
2 x 25 rm	23.40	154	165	154	165	0.727	1,407.30	1000
2 x 35 rm	26.40	190	199	190	199	0.524	1,805.83	1000
2 x 50 rm	29.00	230	236	230	236	0.387	2,241.00	1000
2 x 70 rm	33.80	292	292	292	292	0.268	3,135.85	1000
2 x 95 rm	38.40	356	348	356	348	0.193	4,059.54	1000
2 x 120 rm	42.00	414	397	414	397	0.153	4,872.28	1000
2 x 150 rm	46.80	474	445	474	445	0.124	6,170.00	500
2 x 185 rm	52.00	544	502	544	502	0.099	7,508.73	500
2 x 240 rm	57.40	644	582	644	582	0.075	9,241.38	500
2 x 300 rm	63.00	737	654	737	654	0.060	11,180.83	500
2 x 400 rm	70.00	834	741	834	741	0.047	13,888.11	500
3 x 1.5 re	13.30	21	28	21	28	12.100	334.94	1000
3 x 2.5 re	14.20	32	37	32	37	7.410	398.57	1000
3 x 4 re	15.00	43	49	43	49	4.610	468.42	1000
3 x 6 re	17.00	54	61	54	61	3.080	666.98	1000
3 x 1.5 rm	13.70	21	28	21	28	12.100	353.59	1000
3 x 2.5 rm	14.60	32	37	32	37	7.410	414.00	1000
3 x 4 rm	16.80	43	49	43	49	4.610	605.06	1000
3 x 6 rm	18.10	54	61	54	61	3.080	733.26	1000
3 x 10 rm	19.40	74	83	74	83	1.830	902.86	1000
3 x 16 rm	22.20	99	107	99	107	1.150	1,285.00	1000
3 x 25 rm	24.60	131	139	131	139	0.727	1,667.08	1000
3 x 35 rm	28.10	162	167	162	167	0.524	2,185.68	1000
3 x 50 rm	30.80	200	203	200	203	0.387	2,729.14	1000
3 x 70 rm	36.30	252	248	252	248	0.268	3,867.48	1000
3 x 95 rm	40.90	309	298	309	298	0.193	4,989.47	1000
3 x 120 rm	45.70	359	339	359	339	0.153	6,361.94	500
3 x 150 rm	50.20	411	379	411	379	0.124	7,690.76	500
3 x 185 rm	55.40	475	430	475	430	0.099	9,305.19	500
3 x 240 rm	61.60	562	497	562	497	0.075	11,626.59	500
3 x 300 rm	67.40	645	560	645	560	0.060	14,058.39	500
3 x 400 rm	76.20	745	670	745	670	0.047	18,348.83	500
3 x 10 + 6 rm	20.40	81	89	81	89	1.830	985.52	1000
3 x 16 + 10 rm	23.20	108	116	108	116	1.150	1,430.45	1000
3 x 25 + 16 rm	25.90	146	151	146	151	0.727	1,892.71	1000
3 x 35 + 16 rm	28.80	180	181	180	181	0.524	2,348.69	1000
3 x 50 + 25 rm	31.80	212	208	212	208	0.387	2,998.31	1000
3 x 70 + 35 rm	37.60	265	254	265	254	0.268	4,256.20	1000
3 x 95 + 50 rm	42.30	327	305	327	305	0.193	5,492.48	1000
3 x 120 + 70 rm	48.10	379	347	379	347	0.153	7,200.89	500

0.6/1 kV XLPE İZOLELİ, YASSI ÇELİK TEL ZIRHLI, ÇOK DAMARLI, BAKIR İLETKENLİ KABLOLAR 0.6/1 kV XLPE INSULATED, FLAT STEEL WIRE ARMoured, MULTI-CORE CABLES WITH COPPER CONDUCTOR

YXZ3V	0.6/1 Kv	TS IEC 60502-1
N2XFGbY	0.6/1 Kv	VDE 0271

ALÇAK GERİLİM KABLOLARI LOW VOLTAGE CABLES

Teknik Özellikler / Technical Features

Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi				İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity				Conductor DC Resistance at (20°C)	Net Weight	Delivery Length
mm ²	mm	Havada Air (A) ▲	Toprakta Ground (A) ▲▲	Havada Air (A) ▲▲	Toprakta Ground (A) ▲▲	Ohm / Km	Kg	Mt
3 x 150 + 70 rm	51.60	442	392	442	392	0.124	8,348.53	500
3 x 185 + 95 rm	57.00	504	441	504	441	0.099	10,220.11	500
3 x 240 + 120 rm	63.50	597	511	597	511	0.075	12,777.00	500
3 x 300 + 150 rm	69.50	685	576	685	576	0.060	15,459.10	500
3 x 400 + 185 rm	79.00	790	670	790	670	0.047	20,272.08	500
4 x 1.5 re	14.00	27	31	27	31	12.100	376.36	1000
4 x 2.5 re	15.00	35	41	35	41	7.410	451.42	1000
4 x 4 re	16.90	47	53	47	53	4.610	646.81	1000
4 x 6 re	18.10	59	67	59	67	3.080	776.74	1000
4 x 1.5 rm	14.50	27	31	27	31	12.100	398.60	1000
4 x 2.5 rm	16.40	35	41	35	41	7.410	565.33	1000
4 x 4 rm	17.80	47	53	47	53	4.610	695.12	1000
4 x 6 rm	19.30	59	67	59	67	3.080	848.31	1000
4 x 10 rm	20.70	81	89	81	89	1.830	1,054.75	1000
4 x 16 rm	23.90	108	116	108	116	1.150	1,524.70	1000
4 x 25 rm	26.70	146	151	146	151	0.727	2,020.84	1000
4 x 35 rm	30.50	180	181	180	181	0.524	2,643.14	1000
4 x 50 rm	34.40	212	208	212	208	0.387	3,557.31	1000
4 x 70 rm	39.60	265	254	265	254	0.268	4,746.66	1000
4 x 95 rm	45.80	327	305	327	305	0.193	6,495.88	1000
4 x 120 rm	50.30	379	347	379	347	0.153	7,920.61	500
4 x 150 rm	55.10	442	392	442	392	0.124	9,492.82	500
4 x 185 rm	61.20	504	441	504	441	0.099	11,626.02	500
4 x 240 rm	67.60	597	511	597	511	0.075	14,454.76	500
4 x 300 rm	75.60	685	576	685	576	0.060	18,399.38	500
4 x 400 rm	84.10	790	670	790	670	0.047	23,025.51	500
4 x 10 + 6 rm	22.60	81	89	81	89	1.830	1,281.28	1000
4 x 16 + 10 rm	25.00	108	116	108	116	1.150	1,681.31	1000
4 x 25 + 16 rm	28.20	146	151	146	151	0.727	2,268.49	1000
4 x 35 + 16 rm	31.60	180	181	180	181	0.524	2,858.93	1000
4 x 50 + 25 rm	36.40	212	208	212	208	0.387	3,942.10	1000
4 x 70 + 35 rm	41.30	265	254	265	254	0.268	5,214.93	1000
4 x 95 + 50 rm	48.30	327	305	327	305	0.193	7,215.53	1000
4 x 120 + 70 rm	52.90	379	347	379	347	0.153	8,818.57	500
4 x 150 + 70 rm	57.00	442	392	442	392	0.124	10,324.13	500
4 x 185 + 95 rm	63.80	504	441	504	441	0.099	12,770.11	500
4 x 240 + 120 rm	70.50	597	511	597	511	0.075	15,901.41	500
4 x 300 + 150 rm	79.10	685	576	685	576	0.060	20,238.41	500
4 x 400 + 185 rm	87.60	790	670	790	670	0.047	25,175.23	500
5 x 1.5 re	14.80	27	32	27	32	12.100	422.86	1000
5 x 2.5 re	16.80	36	42	36	42	7.410	606.45	1000
5 x 4 re	17.90	48	54	48	54	4.610	729.60	1000
5 x 6 re	19.20	61	68	61	68	3.080	880.41	1000
5 x 1.5 rm	16.20	27	32	27	32	12.100	540.07	1000
5 x 2.5 rm	17.30	36	42	36	42	7.410	641.52	1000
5 x 4 rm	18.90	48	54	48	54	4.610	792.70	1000
5 x 6 rm	20.60	61	68	61	68	3.080	972.66	1000
5 x 10 rm	22.90	84	91	84	91	1.830	1,342.19	1000
5 x 16 rm	25.60	112	118	112	118	1.150	1,772.87	1000
5 x 25 rm	28.80	152	153	152	153	0.727	2,388.06	1000
5 x 35 rm	34.00	187	184	187	184	0.524	3,363.48	1000
5 x 50 rm	37.80	227	217	227	217	0.387	4,295.95	1000
5 x 70 rm	43.10	347	252	347	252	0.268	5,679.37	1000

0.6/1 kV XLPE İZOLELİ, YASSI ÇELİK TEL ZIRHLI, ÇOK DAMARLI, BAKIR İLETKENLİ KABLOLAR 0.6/1 kV XLPE INSULATED, FLAT STEEL WIRE ARMoured, MULTI-CORE CABLES WITH COPPER CONDUCTOR

YXZ3V	0.6/1 Kv	TS IEC 60502-1
N2XFGbY	0.6/1 Kv	VDE 0271

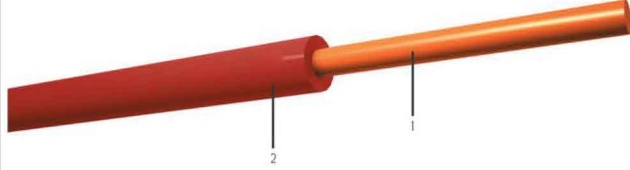
ALÇAK GERİLİM KABLOLARI LOW VOLTAGE CABLES

Teknik Özellikler / Technical Features								
Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi				İletken DC Direnci (20 °C)	Net Ağırlık	Sevki Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity				Conductor DC Resistance at (20°C)	Net Weight	Delivery Length
mm²	mm	Havada Akım (A)	Toprakta Akım (A)	Havada Akım (A)	Toprakta Akım (A)	Ohm / Km	Kg	Mt
5 x 95 rm	50.30	305	303	305	303	0.193	7,882.72	1000
5 x 120 rm	55.00	355	346	355	346	0.153	9,513.32	500
5 x 150 rm	60.70	407	390	407	390	0.124	11,551.39	500
5 x 185 rm	67.00	469	441	469	441	0.099	14,004.39	500
5 x 240 rm	75.70	551	511	551	511	0.075	18,386.98	500
5 x 300 rm	83.20	638	580	638	580	0.060	22,347.62	500
5 x 400 rm	92.50	746	663	746	663	0.047	27,938.21	500
7 x 1.5 re	16.50	15	20	15	20	12.100	577.81	1000
7 x 2.5 re	17.70	21	26	21	26	7.410	696.77	1000
7 x 1.5 rm	17.10	15	20	15	20	12.100	605.83	1000
7 x 2.5 rm	18.30	21	26	21	26	7.410	726.14	1000
10 x 1.5 re	17.90	12	16	12	16	12.100	683.05	1000
10 x 2.5 re	19.30	18	22	18	22	7.410	843.60	1000
10 x 1.5 rm	18.60	12	16	12	16	12.100	725.30	1000
10 x 2.5 rm	20.00	18	22	18	22	7.410	878.00	1000
12 x 1.5 re	19.10	12	16	12	16	12.100	778.36	1000
12 x 2.5 re	20.60	17	21	17	21	7.410	960.69	1000
12 x 1.5 rm	19.80	12	16	12	16	12.100	821.49	1000
12 x 2.5 rm	22.10	17	21	17	21	7.410	1,124.28	1000
14 x 1.5 re	19.90	12	16	12	16	12.100	848.45	1000
14 x 2.5 re	22.30	16	20	16	20	7.410	1,170.16	1000
14 x 1.5 rm	20.70	12	16	12	16	12.100	896.76	1000
14 x 2.5 rm	23.10	16	20	16	20	7.410	1,233.23	1000
19 x 1.5 re	22.80	10	14	10	14	12.100	1,162.42	1000
19 x 2.5 re	24.80	14	18	14	18	7.410	1,453.99	1000
19 x 1.5 rm	23.80	10	14	10	14	12.100	1,235.84	1000
19 x 2.5 rm	25.80	14	18	14	18	7.410	1,531.21	1000
21 x 1.5 re	23.70	10	13	10	13	12.100	1,257.63	1000
21 x 2.5 re	25.80	14	17	14	17	7.410	1,572.65	1000
21 x 1.5 rm	24.70	10	13	10	13	12.100	1,332.12	1000
21 x 2.5 rm	27.10	14	17	14	17	7.410	1,670.46	1000
24 x 1.5 re	24.50	9	12	9	12	12.100	1,339.68	1000
24 x 2.5 re	27.00	13	16	13	16	7.410	1,719.10	1000
24 x 1.5 rm	25.60	9	12	9	12	12.100	1,420.49	1000
24 x 2.5 rm	28.10	13	16	13	16	7.410	1,805.23	1000
30 x 1.5 re	26.70	8	11	8	11	12.100	1,579.78	1000
30 x 2.5 re	29.20	13	16	13	16	7.410	2,011.15	1000
30 x 1.5 rm	27.90	8	11	8	11	12.100	1,685.61	1000
30 x 2.5 rm	30.70	13	16	13	16	7.410	2,144.70	1000
40 x 1.5 re	29.50	8	11	8	11	12.100	1,935.79	1000
40 x 2.5 re	33.60	11	14	11	14	7.410	2,706.70	1000
40 x 1.5 rm	31.10	8	11	8	11	12.100	2,058.15	1000
40 x 2.5 rm	35.10	11	14	11	14	7.410	2,874.60	1000
48 x 1.5 re	33.50	7	10	7	10	12.100	2,513.37	1000
48 x 2.5 re	37.40	10	13	10	13	7.410	3,292.47	1000
48 x 1.5 rm	35.10	7	10	7	10	12.100	2,687.73	1000
48 x 2.5 rm	39.30	10	13	10	13	7.410	3,508.22	1000
61 x 1.5 re	36.00	6	9	6	9	12.100	2,911.97	1000
61 x 2.5 re	39.80	9	12	9	12	7.410	3,785.18	1000
61 x 1.5 rm	37.80	6	9	6	9	12.100	3,106.87	1000
61 x 2.5 rm	41.60	9	12	9	12	7.410	3,968.63	1000

HALOJENSİZ ALEVİ İLETMİYEN TEK DAMARLI BAKIR İLETKENLİ KABLOLAR

HALOGEN FREE, FLAME RETARDANT, SINGLE-CORE CABLES WITH COPPER CONDUCTOR

H05Z1-U	300/500 V	TS 9758	VDE 0281
H07Z1-U/R	450/750 V	TS 9758	VDE 0281



1. Bir veya çok telli bakır iletken
2. HFFT izole

1. Solid or stranded copper conductor
2. HFFT insulation

TEKNİK ÖZELLİKLER

İzin verilen işletme sıcaklığı : 70°C
Kısa devre sıcaklığı : 160°C
Serim Sıcaklığı min. : -20°C

TECHNICAL DATA

Permissible operating temperature : 70°C
Max.short circuit temp : 160°C
Installation temp. : -20°C

KULLANIM ALANLARI

Kuru mekanlarda, şalt tesislerinde, dağıtım sistemlerinde, işletmelerde aydınlatma ve tesisat kablolu olarak kullanılır.

APPLICATIONS

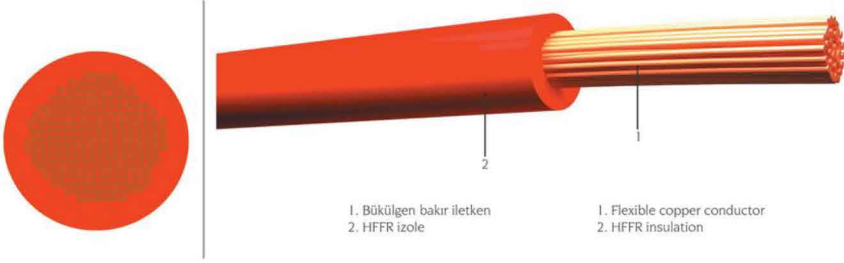
Used in dry places, switch gear rooms, distribution boards, industrial plants as lighting and building wire.

Teknik Özellikler / Technical Features						
Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi		İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity		Conductor DC Resistance at (20 °C)	Net Weight	Delivery Length
mm ²	mm	Havada Akır (A)	Toprakta Ground (A)	Ohm / Km	Kg	Mt
0.5	2.00	7	-	36.000	3.96	100
0.75	2.20	12	-	24.500	4.58	100
1	2.30	18	-	18.100	4.73	100
1.5	2.80	24	15	12.100	6.99	100
2.5	3.40	32	19	7.410	9.87	100
4	3.80	42	25	4.610	11.01	100
6	4.30	54	33	3.080	12.78	100
10	5.50	73	45	1.830	20.64	100
16	6.50	98	61	1.150	25.77	100
1.5	3.00	24	15	12.100	8.35	100
2.5	3.60	32	19	7.410	11.52	100
4	4.20	42	25	4.610	14.78	100
6	4.80	54	33	3.080	18.14	100
10	5.80	73	45	1.830	24.63	100
16	6.80	98	61	1.150	30.48	100
25	8.30	129	83	0.727	43.66	100 or 1000
35	9.40	158	103	0.524	51.60	100 or 1000
50	11.00	197	132	0.387	67.55	100 or 1000
70	12.60	245	165	0.268	82.03	100 or 1000
95	14.80	290	207	0.193	115.55	100 or 1000
120	16.20	345	235	0.153	129.18	100 or 1000
150	18.00	390	-	0.124	156.70	100 or 1000
185	20.20	445	-	0.099	203.21	100 or 1000
240	22.90	525	-	0.075	257.81	100 or 1000
300	25.60	605	-	0.060	322.08	100 or 1000
400	28.80	725	-	0.047	377.16	100 or 1000

HALOJENSİZ ALEVİ İLETMİYEN TEK DAMARLI BAKIR İLETKENLİ KABLORLAR

HALOGEN FREE, FLAME RETARDANT, SINGLE-CORE CABLES WITH COPPER CONDUCTOR

H05Z1-K	300/500 V	TS HD 21.15 S1
H07Z1-K	450/750 V	TS HD 21.15 S1



TEKNİK ÖZELLİKLER

İzin verilen işletme sıcaklığı : 70°C
Kısa devre sıcaklığı : 160°C
Serim Sıcaklığı min. : -20°C

TECHNICAL DATA

Permissible operating temperature : 70°C
Max.short circuit temp : 160°C
Installation temp. : -20°C

KULLANIM ALANLARI

Kuru mekanlarda, şalt tesislerde, dağıtım sistemlerinde, işletmelerde aydınlatma ve tesisat kablolu olarak kullanılır.

APPLICATIONS

Used in dry places, switch gear rooms, distribution boards, industrial plants as lighting and building wire.

Teknik Özellikler / Technical Features

Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi		İletken DC Direnci (20 °C)	Net Ağırlık	Sevki Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity		Conductor DC Resistance at (20°C)	Net Weight	Delivery Length
mm²	mm	Havada Air (A)	Toprakta Ground (A)	Ohm / Km	Kg	Mt
0.5	2.200	6	-	39.000	9.10	100
0.75	2.300	10	-	26.000	11.33	100
1	2.500	16	-	19.500	14.15	100
1.5	2.900	24	15	13.300	19.91	100
2.5	3.600	32	19	7.980	31.95	100
4	4.100	41	25	4.950	46.65	100
6	4.600	53	33	3.300	65.19	100
10	5.900	72	45	1.910	110.04	100
16	7.200	97	61	1.210	170.35	100
25	8.900	128	83	0.780	263.10	100 or 1000
35	9.900	156	103	0.554	354.22	100 or 1000
50	11.800	195	132	0.386	506.37	100 or 1000
70	13.300	243	165	0.272	692.79	100 or 1000
95	15.300	287	207	0.206	919.15	100 or 1000
120	17.400	342	235	0.161	1,177.60	100 or 1000
150	19.400	386	-	0.129	1,468.28	100 or 1000
185	21.500	441	-	0.106	1,795.45	100 or 1000
240	24.500	520	-	0.080	2,559.15	100 or 1000
300	27.300	605	-	0.064	2,937.86	100 or 1000
400	31.000	725	-	0.049	3,855.27	100 or 1000

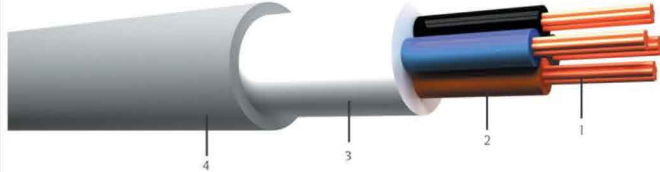
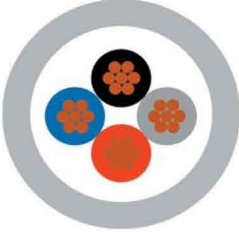
HALOJENSİZ ALEVİ İLETMİYEN ÇOK DAMARLI BAKIR İLETKENLİ KABLolar

HALOGEN FREE, FLAME RETARDANT, MULTI-CORE CABLES WITH COPPER CONDUCTOR

NHMH

300/500 V

VDE 0250



1. Bir yada çok telli bakır iletken
2. HFFR izole
3. HFFR dolgu
4. HFFR dış kılıf

1. Solid or stranded copper conductor
2. HFFR insulation
3. HFFR filler
4. HFFR outer sheath

TEKNİK ÖZELLİKLER

İzin verilen işletme sıcaklığı : 70°C
 Kısa devre sıcaklığı : 160°C
 Serim Sıcaklığı min. : -20°C

TECHNICAL DATA

Permissible operating temperature : 70°C
 Max.short circuit temp : 160°C
 Installation temp. : -20°C

KULLANIM ALANLARI

Hastaneler alışveriş merkezleri ile çok sayıda insanın bulunduğu yangın tehlikesi olan tesislerde kullanılır. Bu kablolar, yangın sırasında alevi iletmezler, yoğun duman oluşturmazlar böylece can ve mal güvenliği sağlanır.

APPLICATIONS

Used in hospitals, shopping centers in places where human groups are located, subject to fire danger. These cables do not conduct flame during fire and there provide health and goods protection.

HALOJENSİZ KABLolar
 Halogen Free Cables

Teknik Özellikler / Technical Features

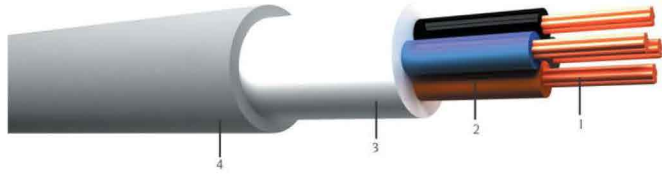
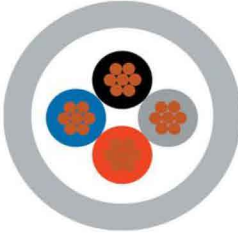
Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi		İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity		Conductor DC Resistance at (20°C)	Net Weight	Delivery Length
mm²	mm	Havada Alır (A)	Toprakta Ground (A)	Ohm / Km	Kg	Mt
2 x 1.5	8.00	18.5	26	12.100	94.36	100
2 x 2.5	8.80	25	34	7.410	123.21	100
2 x 4	10.00	34	44	4.610	169.94	100
2 x 6	11.40	43	56	3.080	231.04	100
2 x 10	14.40	60	75	1.830	376.15	100
2 x 16	16.40	80	98	1.150	529.34	100
3 x 1.5	8.40	18.5	26	12.100	113.31	100
3 x 2.5	9.30	25	34	7.410	152.04	100
3 x 4	10.60	34	44	4.610	213.62	100
3 x 6	12.50	43	56	3.080	305.29	100
3 x 10	15.30	60	75	1.830	480.73	100
3 x 16	17.40	80	98	1.150	685.50	100
4 x 1.5	9.00	18.5	26	12.100	136.37	100
4 x 2.5	10.00	25	34	7.410	185.57	100
4 x 4	11.40	34	44	4.610	262.79	100
4 x 6	13.40	43	56	3.080	375.21	100
4 x 10	16.60	60	75	1.830	600.71	100
4 x 16	19.00	80	98	1.150	867.14	100
5 x 1.5	9.70	18.5	26	12.100	162.21	100
5 x 2.5	10.80	25	34	7.410	222.37	100
5 x 4	12.40	34	44	4.610	318.45	100
5 x 6	14.60	43	56	3.080	455.90	100
5 x 10	18.10	60	75	1.830	731.67	100
5 x 16	20.80	80	98	1.150	1,062.64	100

HALOJENSİZ ALEVİ İLETMİYEN ÇOK DAMARLI BAKIR İLETKENLİ KABLolar

HALOGEN FREE, FLAME RETARDANT, MULTI-CORE CABLES WITH COPPER CONDUCTOR

NHXMH 300/500 V VDE 0250

HALOJENSİZ KABLolar
 Halogen Free Cables



1. Bir yada çok telli bakır iletken
2. XLPE izole
3. HFFR dolgu
4. HFFR dış kılıf

1. Solid or stranded copper conductor
2. XLPE insulation
3. HFFR filler
4. HFFR outer sheath

TEKNİK ÖZELLİKLER

İzin verilen işletme sıcaklığı : 90°C
 Kısa devre sıcaklığı : 250°C
 Serim Sıcaklığı min. : -20°C

TECHNICAL DATA

Permissible operating temperature : 90°C
 Max.short circuit temp : 250°C
 Installation temp. : -20°C

KULLANIM ALANLARI

Hastaneler alışveriş merkezleri ile çok sayıda insanın yangın tehlikesi olan tesislerde kullanılır. Bu kablolar, yangın sırasında alevi iletmezler, yoğun duman oluşturmazlar. Böylece can ve mal güvenliği sağlanır.

APPLICATIONS

Used in hospitals, shopping in places where human group are located, subject to fire danger. These cables do not conduct flame during fire and there provide health and goods protection.

Teknik Özellikler / Technical Features

Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi		İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity		Conductor DC Resistance at (20°C)	Net Weight	Delivery Length
mm²	mm	Havada Air (A)	Toprakta Ground (A)	Ohm / Km	Kg	Mt
2 x 1.5	8.00	18.5	26	12.100	85.61	100
2 x 2.5	8.80	25	34	7.410	113.09	100
2 x 4	10.00	34	44	4.610	157.21	100
2 x 6	11.40	43	56	3.080	216.22	100
2 x 10	14.40	60	75	1.830	351.23	100
2 x 16	16.40	80	98	1.150	499.12	100
3 x 1.5	8.40	18.5	26	12.100	102.44	100
3 x 2.5	9.30	25	34	7.410	139.35	100
3 x 4	10.60	34	44	4.610	197.39	100
3 x 6	12.50	43	56	3.080	284.82	100
3 x 10	15.30	60	75	1.830	448.28	100
3 x 16	17.40	80	98	1.150	645.89	100
4 x 1.5	9.00	18.5	26	12.100	123.23	100
4 x 2.5	10.00	25	34	7.410	170.15	100
4 x 4	11.40	34	44	4.610	242.91	100
4 x 6	13.40	43	56	3.080	350.38	100
4 x 10	16.60	60	75	1.830	560.37	100
4 x 16	19.00	80	98	1.150	817.60	100
5 x 1.5	9.70	18.5	26	12.100	146.73	100
5 x 2.5	10.80	25	34	7.410	204.16	100
5 x 4	12.40	34	44	4.610	294.77	100
5 x 6	14.60	43	56	3.080	426.45	100
5 x 10	18.10	60	75	1.830	683.27	100
5 x 16	20.80	80	98	1.150	1,003.00	100

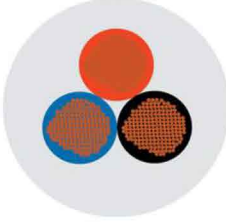
HALOJENSİZ ALEVİ İLETMİYEN ÇOK DAMARLI BÜKÜLGEN BAKIR İLETKENLİ KABLOLAR

HALOGEN FREE, FLAME RETARDANT, MULTI-CORE CABLES WITH FLEXIBLE COPPER CONDUCTOR

H052XZ1-F

300/500 V

TS 9759



1. İnce çok telli bakır iletken
2. XLPE izole
3. HFFR dış kılıf

1. Solid or stranded copper conductor
2. XLPE insulation
3. HFFR outer sheath

TEKNİK ÖZELLİKLER

İzin verilen işletme sıcaklığı : 90°C
 Kısa devre sıcaklığı : 250°C
 Serim Sıcaklığı min. : -20°C

TECHNICAL DATA

Permissible operating temperature : 90°C
 Max.short circuit temp : 250°C
 Installation temp. : -20°C

KULLANIM ALANLARI

Hastaneler alışveriş merkezleri ile çok sayıda insanın bulunduğu yangın tehlikesi olan tesislerde kullanılır. Bu kablolar, yangın sırasında alevi iletmezler, yoğun duman oluşturmazlar böylece can ve mal güvenliği sağlanır.

APPLICATIONS

Used in hospitals, shopping centers in places where human groups are located, subject to fire danger. These cables do not conduct flame during fire and there provide health and goods protection.

HALOJENSİZ KABLOLAR
 Halogen Free Cables

Teknik Özellikler / Technical Features

Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi	İletken DC Direnci (20 °C)	Net Ağırlık	Sevki Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity	Conductor DC Resistance at (20°C)	Net Weight	Delivery Length
mm ²	mm	Havada Air (A)	Ohm / Km	Kg	Mt
2 X 0,75	6,4	6	26,00	61,81	100
2 X 1	7	10	19,50	75,55	100
2 X 1,5	8,2	15	13,30	105,68	100
2 X 2,5	9,2	20	7,98	140,56	100
2 X 4	10,6	26	4,95	195,99	100
3 X 0,75	6,8	6	26,00	85,78	100
3 X 1	7,5	10	19,50	106,77	100
3 X 1,5	9	16	13,30	155,74	100
3 X 2,5	10	20	7,98	201,83	100
3 X 4	11,5	26	4,95	280,64	100
4 X 0,75	7,4	6	26,00	120,88	100
4 X 1	8,4	10	19,50	155,47	100
4 X 1,5	10	15	13,30	225,74	100
4 X 2,5	10,9	20	7,98	282,34	100
4 X 4	13	26	4,95	404,76	100
5 X 0,75	8,3	6	26,00	169,91	100
5 X 1	9,1	10	19,50	210,92	100
5 X 1,5	11,2	15	13,30	317,06	100
5 X 2,5	12,2	20	7,98	391,25	100
5 X 4	14,2	26	4,95	543,64	100

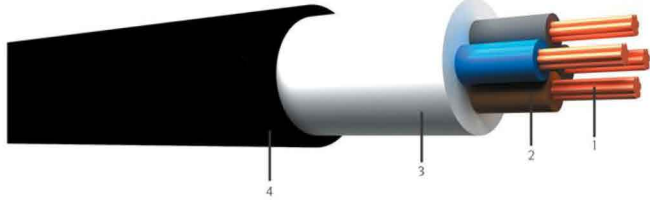
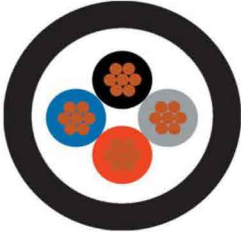
HALOJENSİZ ALEVİ İLETMİYEN ÇOK DAMARLI BAKIR İLETKENLİ KABLORLAR

HALOGEN FREE, FLAME RETARDANT, MULTI-CORE CABLES WITH COPPER CONDUCTOR

N2XH

0.6/1 kV

VDE 0276



1. Bir veya çok telli bakır iletken
2. XLPE izole
3. HFFR dolgu
4. HFFR dış kılıf

1. Solid or stranded copper conductor
2. XLPE insulation
3. HFFR filler
4. HFFR outer sheath

TEKNİK ÖZELLİKLER

İzin verilen işletme sıcaklığı : 90°C
 Dış kılıf rengi : Siyah
 Kısa devre sıcaklığı : 250°C
 Serim Sıcaklığı min. : -20°C

TECHNICAL DATA

Permissible operating temperature : 90°C
 Color of outer sheath : Black
 Max.short circuit temp : 250°C
 Installation temp. : -20°C

KULLANIM ALANLARI

Bu kablolar okullar, hastaneler, toplantı ve alışveriş merkezleri gibi yerlerde dahili ve harici mekanlarda kullanılır.

APPLICATIONS

These cables are used in internal and external places school, hospital, meeting rooms and shopping centers.

Teknik Özellikler / Technical Features

Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi				İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity				Conductor DC Resistance at (20°C)	Net Weight	Delivery Length
mm²	mm	Havada Air (A) ▲	Toprakta Ground (A) ▲▲	Havada Air (A) ▲▲	Toprakta Ground (A) ▲▲	Ohm / Km	Kg	Mt
1 x 1.5 re	5.60	25	33	26	33	12.100	45.36	1000
1 x 2.5 re	6.00	34	43	35	43	7.410	57.25	1000
1 x 4 re	6.40	45	56	46	55	4.610	73.44	1000
1 x 6 re	6.90	57	69	58	68	3.080	94.83	1000
1 x 1.5 rm	5.80	25	33	26	33	12.100	47.59	1000
1 x 2.5 rm	6.20	34	43	35	43	7.410	59.61	1000
1 x 4 rm	6.80	45	56	46	55	4.610	78.47	1000
1 x 6 rm	7.40	57	69	58	68	3.080	101.55	1000
1 x 10 rm	8.00	78	92	80	91	1.830	140.91	1000
1 x 16 rm	9.00	104	118	107	117	1.150	201.64	1000
1 x 25 rm	10.10	141	152	145	151	0.727	290.54	1000
1 x 35 rm	11.60	173	182	178	180	0.524	394.13	1000
1 x 50 rm	12.80	213	216	220	214	0.387	519.06	1000
1 x 70 rm	14.80	271	265	279	261	0.268	726.56	1000
1 x 95 rm	16.80	335	316	346	312	0.193	979.90	1000
1 x 120 rm	18.60	392	359	404	355	0.153	1,225.74	1000
1 x 150 rm	20.60	451	403	466	397	0.124	1,512.00	1000
1 x 185 rm	22.80	526	455	543	449	0.099	1,871.05	1000
1 x 240 rm	25.50	630	527	650	519	0.075	2,420.02	1000
1 x 300 rm	28.20	728	593	751	584	0.060	3,012.23	500
1 x 400 rm	31.60	848	671	875	660	0.047	3,862.25	500

HALOJENSİZ ALEVİ İLETMİYEN ÇOK DAMARLI BAKIR İLETKENLİ KABLolar

HALOGEN FREE, FLAME RETARDANT, MULTI-CORE CABLES WITH COPPER CONDUCTOR

N2XH 0.6/1 kV VDE 0276

HALOJENSİZ KABLolar

HALOGEN FREE CABLES

Teknik Özellikler / Technical Features								
Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi				İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity				Conductor DC Resistance at (20°C)	Net Weight	Delivery Length
mm²	mm	Havada Air (A) 🌬️	Toprakta Ground (A) 🌍	Havada Air (A) 🌬️	Toprakta Ground (A) 🌍	Ohm / Km	Kg	Mt
1 x 500 rm	35.20	985	757	1018	744	0.037	4,888.64	500
1 x 630 rm	39.40	1141	849	1179	834	0.028	6,243.18	500
2 x 1.5 re	11.20	29	34	-	-	12.100	164.60	1000
2 x 2.5 re	12.00	38	44	-	-	7.410	199.32	1000
2 x 4 re	12.80	50	58	-	-	4.610	243.40	1000
2 x 6 re	13.80	64	73	-	-	3.080	301.85	1000
2 x 1.5 rm	11.60	29	34	-	-	12.100	174.43	1000
2 x 2.5 rm	12.40	38	44	-	-	7.410	209.79	1000
2 x 4 rm	13.60	50	58	-	-	4.610	265.89	1000
2 x 6 rm	14.80	64	73	-	-	3.080	332.12	1000
2 x 10 rm	16.00	88	98	-	-	1.830	432.61	1000
2 x 16 rm	18.00	116	128	-	-	1.150	594.14	1000
2 x 25 rm	20.20	154	165	-	-	0.727	821.43	1000
2 x 35 rm	23.20	190	199	-	-	0.524	1,105.30	1000
2 x 50 rm	25.60	230	236	-	-	0.387	1,424.16	1000
2 x 70 rm	29.40	292	292	-	-	0.268	1,955.33	1000
2 x 95 rm	34.20	356	348	-	-	0.193	2,672.73	1000
2 x 120 rm	37.60	414	397	-	-	0.153	3,301.89	500
2 x 150 rm	41.40	474	445	-	-	0.124	4,043.33	500
2 x 185 rm	46.60	544	502	-	-	0.099	5,075.57	500
2 x 240 rm	52.00	644	582	-	-	0.075	6,493.51	500
2 x 300 rm	57.80	737	654	-	-	0.060	8,086.55	500
2 x 400 rm	64.60	834	741	-	-	0.047	10,288.08	500
3 x 1.5 re	11.70	21	28	-	-	12.100	186.50	1000
3 x 2.5 re	12.60	32	37	-	-	7.410	231.55	1000
3 x 4 re	13.40	43	49	-	-	4.610	287.11	1000
3 x 6 re	14.50	54	61	-	-	3.080	363.93	1000
3 x 1.5 rm	12.10	21	28	-	-	12.100	196.35	1000
3 x 2.5 rm	13.00	32	37	-	-	7.410	242.06	1000
3 x 4 rm	14.30	43	49	-	-	4.610	312.90	1000
3 x 6 rm	15.60	54	61	-	-	3.080	397.81	1000
3 x 10 rm	16.90	74	83	-	-	1.830	533.00	1000
3 x 16 rm	19.00	99	107	-	-	1.150	743.94	1000
3 x 25 rm	21.40	131	139	-	-	0.727	1,050.60	1000
3 x 35 rm	24.70	162	167	-	-	0.524	1,425.55	1000
3 x 50 rm	27.40	200	203	-	-	0.387	1,862.60	1000
3 x 70 rm	31.90	252	248	-	-	0.268	2,604.39	1000
3 x 95 rm	36.70	309	298	-	-	0.193	3,528.94	1000
3 x 120 rm	40.30	359	339	-	-	0.153	4,367.84	500
3 x 150 rm	44.80	411	379	-	-	0.124	5,400.67	500
3 x 185 rm	50.00	475	430	-	-	0.099	6,721.14	500
3 x 240 rm	56.20	562	497	-	-	0.075	8,682.85	500
3 x 300 rm	62.00	645	560	-	-	0.060	10,754.68	500
3 x 400 rm	69.50	745	670	-	-	0.047	13,748.05	500
3 x 10 + 6 rm	17.90	81	89	-	-	1.830	593.97	1000

HALOJENSİZ KABLolar
Halogen Free Cables

HALOJENSİZ ALEVİ İLETMİYEN ÇOK DAMARLI BAKIR İLETKENLİ KABLolar

HALOGEN FREE, FLAME RETARDANT, MULTI-CORE CABLES WITH COPPER CONDUCTOR

N2XH 0.6/1 kV VDE 0276

HALOJENSİZ KABLolar
 Halogen Free Cables

HALOJENSİZ KABLolar

HALOGEN FREE CABLES

Teknik Özellikler / Technical Features						
Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi		İletken DC Direnci (20 °C)	Net Ağırlık	Sevki Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity		Conductor DC Resistance at (20°C)	Net Weight	Delivery Length
mm ²	mm	Havada Air (A)	Toprakta Ground (A)	Ohm / Km	Kg	Mt
3 x 16 + 10 rm	20.00	108	116	1.150	855.39	1000
3 x 25 + 16 rm	22.70	146	151	0.727	1,224.36	1000
3 x 35 + 16 rm	25.40	180	181	0.524	1,573.08	1000
3 x 50 + 25 rm	28.40	212	208	0.387	2,098.70	1000
3 x 70 + 35 rm	33.40	265	254	0.268	2,955.38	1000
3 x 95 + 50 rm	37.90	327	305	0.193	3,960.45	1000
3 x 120 + 70 rm	42.70	379	347	0.153	5,071.04	500
3 x 150 + 70 rm	46.20	442	392	0.124	6,019.27	500
3 x 185 + 95 rm	51.80	504	441	0.099	7,584.41	500
3 x 240 + 120 rm	58.10	597	511	0.075	9,756.86	500
3 x 300 + 150 rm	64.10	685	576	0.060	12,078.71	500
3 x 400 + 185 rm	72.10	790	670	0.047	15,440.41	500
4 x 1.5 re	12.40	27	31	12.100	214.78	1000
4 x 2.5 re	13.40	35	41	7.410	270.89	1000
4 x 4 re	14.40	47	53	4.610	345.05	1000
4 x 6 re	15.60	59	67	3.080	441.68	1000
4 x 1.5 rm	12.90	27	31	12.100	227.87	1000
4 x 2.5 rm	13.90	35	41	7.410	284.90	1000
4 x 4 rm	15.30	47	53	4.610	371.76	1000
4 x 6 rm	16.80	59	67	3.080	480.65	1000
4 x 10 rm	18.20	81	89	1.830	652.26	1000
4 x 16 rm	20.70	108	116	1.150	929.67	1000
4 x 25 rm	23.30	146	151	0.727	1,321.02	1000
4 x 35 rm	27.10	180	181	0.524	1,807.61	1000
4 x 50 rm	30.20	212	208	0.387	2,378.65	1000
4 x 70 rm	35.20	265	254	0.268	3,333.77	1000
4 x 95 rm	40.40	327	305	0.193	4,512.41	1000
4 x 120 rm	45.10	379	347	0.153	5,668.94	500
4 x 150 rm	49.70	442	392	0.124	6,958.24	500
4 x 185 rm	55.80	504	441	0.099	8,702.70	500
4 x 240 rm	62.20	597	511	0.075	11,173.73	500
4 x 300 rm	68.70	685	576	0.060	13,861.69	500
4 x 400 rm	77.40	790	670	0.047	17,801.09	500
4 x 10 + 6 rm	19.40	81	89	1.830	725.39	1000
4 x 16 + 10 rm	21.80	108	116	1.150	1,050.25	1000
4 x 25 + 16 rm	24.80	146	151	0.727	1,512.23	1000
4 x 35 + 16 rm	28.20	180	181	0.524	1,985.49	1000
4 x 50 + 25 rm	32.00	212	208	0.387	2,680.90	1000
4 x 70 + 35 rm	37.10	265	254	0.268	3,731.20	1000
4 x 95 + 50 rm	42.90	327	305	0.193	5,083.79	1000
4 x 120 + 70 rm	47.50	379	347	0.153	6,399.27	500
4 x 150 + 70 rm	51.80	442	392	0.124	7,677.87	500
4 x 185 + 95 rm	58.40	504	441	0.099	9,699.89	500
4 x 240 + 120 rm	65.10	597	511	0.075	12,426.82	500
4 x 300 + 150 rm	72.20	685	576	0.060	15,454.72	500
4 x 400 + 185 rm	80.90	790	670	0.047	19,712.45	500
5 x 1.5 re	13.20	27	32	12.100	247.32	1000
5 x 2.5 re	14.30	36	42	7.410	315.10	1000
5 x 4 re	15.40	48	54	4.610	405.35	1000
5 x 6 re	16.70	61	68	3.080	522.28	1000
5 x 1.5 rm	13.70	27	32	12.100	260.89	1000
5 x 2.5 rm	14.80	36	42	7.410	329.65	1000
5 x 4 rm	16.40	48	54	4.610	436.84	1000
5 x 6 rm	18.10	61	68	3.080	571.14	1000
5 x 10 rm	19.70	84	91	1.830	784.75	1000
5 x 16 rm	22.40	112	118	1.150	1,122.20	1000
5 x 25 rm	25.40	152	153	0.727	1,611.86	1000
5 x 35 rm	29.80	187	184	0.524	2,224.20	1000
5 x 50 rm	33.60	227	217	0.387	2,960.24	1000
5 x 70 rm	38.90	347	252	0.268	4,125.28	1000
5 x 95 rm	45.10	305	303	0.193	5,633.22	1000
5 x 120 rm	49.60	355	346	0.153	6,989.16	500
5 x 150 rm	55.30	407	390	0.124	8,663.03	500
5 x 185 rm	61.60	469	441	0.099	10,763.52	500
5 x 240 rm	68.80	551	511	0.075	13,846.28	500
5 x 300 rm	76.50	638	580	0.060	17,271.31	500
5 x 400 rm	85.80	746	663	0.047	22,101.97	500

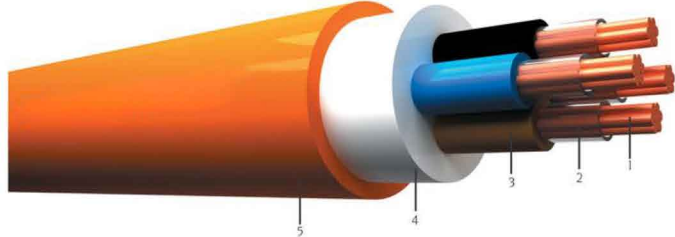
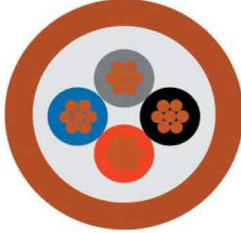
HALOJENSİZ ALEVİ İLETMEYEN XLPE İZOLELİ, ÇOK DAMARLI BAKIR İLETKENLİ KABLOLAR

HALOGEN FREE, FLAME RETARDANT, XLPE INSULATED, MULTI CORE CABLES WITH COPPER CONDUCTOR

N2XH FE180

0.6/1 kV

VDE0276



1. Bir veya çok telli bakır iletken
2. Mika bant
3. XLPE izole
4. HFFR dolgu
5. HFFR dış kılıf

1. Solid or stranded copper conductor
2. Mika tape
3. XLPE insulation
4. HFFR filler
5. HFFR outer sheath

TEKNİK ÖZELLİKLER

İzin verilen işletme sıcaklığı : 90°C
 Dış kılıf rengi : Siyah
 Kısa devre sıcaklığı : 250°C
 Serim Sıcaklığı min. : -20°C

TECHNICAL DATA

Permissible operating temperature : 90°C
 Color of outer sheath : Black
 Max.short circuit temp : 250°C
 Installation temp. : -20°C

KULLANIM ALANLARI

Bu kablolar okullar, hastaneler, toplantı ve alışveriş merkezler gibi yerlerde dahili ve harici mekanlarda kullanılır.

APPLICATIONS

These cables are used in internal and external places school, hospital, meeting rooms and shopping centers.

Teknik Özellikler / Technical Features

Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi	İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity	Conductor DC Resistance at (20°C)	Net Weight	Delivery Length
mm ²	mm	Alır (A)	Ohm / Km	Kg	Mt
1 X 1,5 re	5.90	-	12.100	49.28	1000
1 X 2,5 re	6.50	-	7.410	63.96	1000
1 x 4 re	6.90	56	4.610	80.55	1000
1 x 6 re	7.40	73	3.080	102.47	1000
1 x 10 rm	8.90	101	1.830	157.90	1000
1 x 16 rm	9.9	137	1.150	221.26	1000
1 x 25 rm	11	182	0.727	312.43	1000
1 x 35 rm	12.1	226	0.524	411.19	1000
1 x 50 rm	13.3	275	0.387	536.88	1000
1 x 70 rm	15.3	353	0.268	749.44	1000
1 x 95 rm	17.1	430	0.193	1.004.70	1000
1 x 120 rm	18.9	500	0.153	1.254.17	1000
1 x 150 rm	20.9	577	0.124	1.542.14	1000
1 x 185 rm	23.1	661	0.099	1.911.60	1000
1 x 240 rm	25.8	781	0.075	2.470.86	1000
2 X 1,5 re	11.8	26	12.100	180.58	1000
2 X 2,5 re	13	36	7.410	227.47	1000
2 x 4 re	13.8	49	4.610	273.28	1000
2 x 6 re	14.8	63	3.080	333.96	1000
2 x 10 rm	17.8	86	1.830	502.43	1000
2 x 16 rm	19.8	115	1.150	673.45	1000
2 x 25 rm	22	149	0.727	909.96	1000
2 x 35 rm	24.2	185	0.524	1.167.35	1000
2 x 50 rm	26.8	225	0.387	1.503.13	1000
2 x 70 rm	30.6	289	0.268	2.050.44	1000
2 x 95 rm	34.8	352	0.193	2.747.15	1000
2 x 120 rm	38.2	420	0.153	3.385.81	1000

HALOJENSİZ ALEVİ İLETMEYEN XLPE İZOLELİ, ÇOK DAMARLI BAKIR İLETKENLİ KABLOLAR

HALOGEN FREE, FLAME RETARDANT, XLPE INSULATED, MULTI CORE CABLES WITH COPPER CONDUCTOR

N2XH FE180

0.6/1 kV

VDE0276

HALOJENSİZ KABLOLAR

HALOGEN FREE CABLES

Teknik Özellikler / Technical Features

Normal Kesit	Kablo Dış Çapı	Akım Taşıma Kapasitesi	İletken DC Direnci (20 °C)	Net Ağırlık	Sevk Uzunluğu
Rated Cross Section	Overall Diameter Of Cable	Current Carrying Capacity	Conductor DC Resistance at (20°C)	Net Weight	Delivery Length
mm ²	mm	Alr (A)	Ohm / Km	Kg	Mt
2 x 150 mm	42.6	473	0.124	4,193.04	1000
2 x 185 mm	47.2	542	0.099	5,190.52	1000
2 x 240 mm	52.6	641	0.075	6,632.86	1000
3 X 1.5 re	12.3	23	12.100	203.05	1000
3 X 2.5 re	13.6	33	7.410	260.46	1000
3 x 4 re	14.5	42	4.610	321.08	1000
3 x 6 re	15.6	54	3.080	400.56	1000
3 x 10 mm	18.8	75	1.830	610.13	1000
3 x 16 mm	21	100	1.150	836.92	1000
3 x 25 mm	23.4	127	0.727	1,154.72	1000
3 x 35 mm	25.7	158	0.524	1,494.24	1000
3 x 50 mm	28.5	192	0.387	1,942.36	1000
3 x 70 mm	33.2	246	0.268	2,719.51	1000
3 x 95 mm	37.3	298	0.193	3,619.71	1000
3 x 120 mm	41	246	0.153	4,480.41	1000
3 x 150 mm	45.6	399	0.124	5,532.30	1000
3 x 185 mm	50.6	456	0.099	6,865.22	1000
3 x 240 mm	56.8	538	0.075	8,860.85	1000
3 x 10+6 mm	19.8	75	1.830	675.45	1000
3 x 16+10 mm	22.2	100	1.150	961.19	1000
3 x 25+16 mm	24.8	127	0.727	1,338.08	1000
3 x 35+16 mm	27	158	0.524	1,678.81	1000
3 x 50+25 mm	30.1	192	0.387	2,220.44	1000
3 x 70+35mm	34.6	246	0.268	3,067.03	1000
3 x 95+50 mm	39	298	0.193	4,098.08	1000
3 x 120+70 mm	43.6	246	0.153	5,208.73	1000
3 x 150+70 mm	47.1	399	0.124	6,165.30	1000
3 x 185+95 mm	52.5	456	0.099	7,748.92	1000
3 x 240+120 mm	58.8	538	0.075	9,958.04	1000
4 X 1.5 re	13.2	23	12.100	238.36	1000
4 X 2.5 re	14.6	33	7.410	307.86	1000
4 x 4 re	15.6	42	4.610	384.55	1000
4 x 6 re	16.8	54	3.080	484.32	1000
4 x 10 mm	20.4	75	1.830	748.60	1000
4 x 16 mm	22.8	100	1.150	1,035.59	1000
4 x 25 mm	25.5	127	0.727	1,445.58	1000
4 x 35 mm	28.4	158	0.524	1,905.03	1000
4 x 50 mm	31.9	192	0.387	2,512.78	1000
4 x 70 mm	36.6	246	0.268	3,472.76	1000
4 x 95 mm	41.2	298	0.193	4,640.60	1000
4 x 120 mm	45.8	246	0.153	5,804.59	1000
4 x 150 mm	50.4	399	0.124	7,102.70	500
4 x 185 mm	56.5	456	0.099	8,892.60	500
4 x 240 mm	63	538	0.075	11,422.56	500
5 X 1.5 re	14	23	12.100	272.27	1000
5 X 2.5 re	15.6	33	7.410	357.63	1000
5 x 4 re	16.7	42	4.610	450.87	1000
5 x 6 re	18.1	54	3.080	575.73	1000
5 x 10 mm	22.1	75	1.830	898.30	1000
5 x 16 mm	24.8	100	1.150	1,253.54	1000
5 x 25 mm	28	127	0.727	1,773.03	1000
5 x 35 mm	31.6	158	0.524	2,369.93	1000
5 x 50 mm	35	192	0.387	3,085.59	1000
5 x 70 mm	40.3	246	0.268	4,281.62	1000
5 x 95 mm	45.9	298	0.193	5,783.09	1000
5 x 120 mm	50.4	246	0.153	7,159.27	1000
5 x 150 mm	56.1	399	0.124	8,845.40	500
5 x 185 mm	62.4	456	0.099	11,002.00	500
5 x 240 mm	70.2	538	0.075	14,239.08	500

KABLO DAMAR RENKLERİ / COLOR OF CABLES CORES

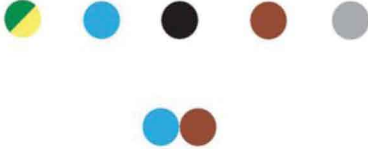
TEK DAMARLI KABLO RENKLERİ / COLOR OF SINGLE CORE

H 05 V-U H 05 V-K H 07 V-U H 07 V-R H 07 V-K
 H 05 Z-U H 05 Z1-U H 05 Z-K H 05 Z1-K H 07 Z-U H 07 Z1-U
 H 07 Z1-K H 07 Z-R H 07 Z1-R

Mavi - Kahve - Siyah - Gri - Sarı/Yeşil

Blue - Brown - Black - Grey - Yellow/Green

İKİ DAMARLI KABLO RENKLERİ / COLOR OF TWO CORES

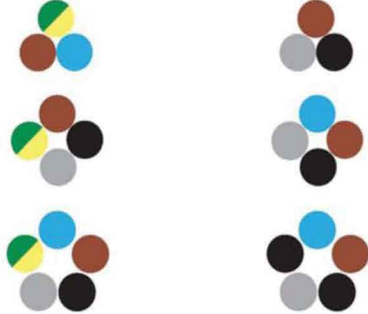


NVV-NYM H 03 VV-F H 05 VV-F NHXMH NHMH H 03 Z1Z1-F
 H 05 Z1Z1-F YVV YVCV(NYCY) YVZ2V(NYRY) YXV(N2XY)
 N2XRY N2XH N2XRH

Mavi - Kahve

Blue - Brown

ÜÇ DAMARLI KABLO RENKLERİ / COLOR OF THREE CORES



NVV-NYM H 03 VV-F H 05 VV-F NHXMH NHMH H 03 Z1Z1-F
 H 05 Z1Z1-F

Yeşil/Sarı - Mavi - Kahverengi

Green/Yellow - Blue - Brown

YVV YVCV(NYCY) YVZ2V(NYRY) YXV(N2XY)
 N2XRY N2XH N2XRH

Kahve - Siyah - Gri

Brown - Black - Grey

DÖRT DAMARLI KABLO RENKLERİ / COLOR OF FOUR CORES



NVV-NYM H 03 VV-F H 05 VV-F NHXMH NHMH H 03 Z1Z1-F
 H 05 Z1Z1-F YVV YVCV(NYCY) YVZ2V(NYRY) YXV(N2XY)

Mavi - Kahve - Siyah - Gri

Blue - Brown - Black - Grey

BEŞ DAMARLI KABLO RENKLERİ / COLOR OF FIVE CORES

NVV-NYM H 03 VV-F H 05 VV-F NHXMH NHMH H 03 Z1Z1-F
 H 05 Z1Z1-F YVV YVCV(NYCY) YVZ2V(NYRY) YXV(N2XY)
 N2XRY N2XH N2XRH

Yeşil/Sarı - Mavi - Kahve - Siyah - Gri

Green/Yellow - Blue - Brown - Black - Grey

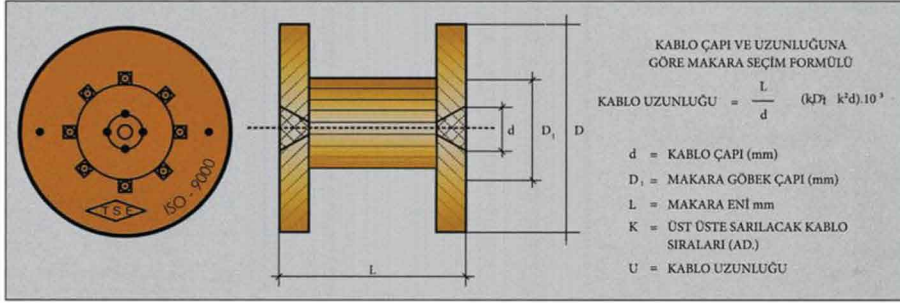
İletken ve Kabloların TS Sembolleri

Symbols of Insulated Wires and Power Cables According to TS

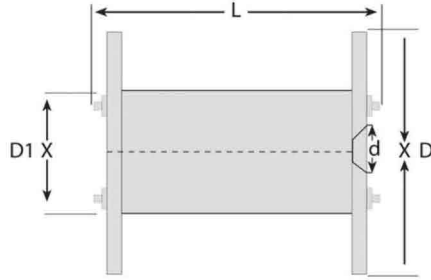
Rumuzlar/ Abbreviations			Standartlar / Standards					Anma Gerilimi Rated Voltages V
TS	VDE	РОССИЯ МАРКА	TS	Harmonize Harmonized	VDE	IEC	СТАНДАРТ	
H05V-U	H05V-U	ПВ1	9758	HD 21.3 S3	0281-3	-	ГОСТ 6323-79	300/500 V
H07V-U	H07V-U	ПВ1	9758	HD 21.3 S3	0281-3	-	ГОСТ 6323-79	450/750 V
H07V-R	H07V-R	ПВ2, ПВ3	9758	HD 21.3 S3	0281-3	-	ГОСТ 6323-79	450/750 V
H05V-K	H05V-K	ПВ4	9758	HD 21.3 S3	0281-3	-	ГОСТ 6323-79	300/500 V
H07V-K	H07V-K	ПВ4	9758	HD 21.3 S3	0281-3	-	ГОСТ 6323-79	450/750 V
NVV	NYM	NYM	9759	HD 21.4 S2	0250-204	-	ТУ 3521-009-05755714-2002	300/500 V
H03VV-F	NYLHY-rd	ПВС	9760	HD 21.5 S3	0281-5	-	ГОСТ 7399-97	300/300 V
H05VV-F	H05VV-F	ПВС	9760	HD 21.5 S3	0281-5	-	ГОСТ 7399-97	300/300 V
YVV	YYY enerji	YYY	IEC 60502-1	-	0276-603	60502-1	ТУ 3530-035-05755714-2007	0,6/1 kV
YVV	YYY kumanda	YYY	IEC 60502-1	-	0276-627	60502-1	ТУ 3530-035-05755714-2007	0,6/1 kV
YVMV	NYCY	NYCY	IEC 60502-1	-	0276-603	60502-1	ТУ 3530-035-05755714-2007	0,6/1 kV
YVOV	NYRGY	NYRGY	IEC 60502-1	-	0271	60502-1	ТУ 3530-035-05755714-2007	0,6/1 kV
YVŞV	NYFGbY	NYFGbY	IEC 60502-1	-	0271	60502-1	ТУ 3530-035-05755714-2007	0,6/1 kV
YE ₃ V	N2XY	ПвВГ	IEC 60502-1	-	0276-603	60502-1	ТУ 3530-035-05755714-2007	0,6/1 kV
YE ₃ MV	N2XCY	-	IEC 60502-1	-	0276-603	60502-1	ТУ 3530-035-05755714-2007	0,6/1 kV
YE ₃ OV	N2XRY	-	IEC 60502-1	-	0271	60502-1	ТУ 3530-035-05755714-2007	0,6/1 kV
YE ₃ ŞV	N2XFGY	-	IEC 60502-1	-	0271	60502-1	ТУ 3530-035-05755714-2007	0,6/1 kV
YE ₃ SV	N2XSY	ПвВ	IEC 60502-2	-	0276-620	60502-2	ТУ 16.K71-277-2001	3,6/6 kV
YE ₃ SHŞV	N2XSEYFGbY	ПвВ	IEC 60502-2	-	0276-620	60502-2	ТУ 16.K71-335-2004	3,6/6 kV
YE ₃ SV	N2XSY	ПвВ	IEC 60502-2	-	0276-620	60502-2	ТУ 16.K71-335-2004	6/10 kV
YE ₃ SHŞV	N2XSEYFGbY	ПвВ	IEC 60502-2	-	0276-620	60502-2	ТУ 16.K71-335-2004	6/10 kV
YE ₃ SV	N2XSY	ПвВ	IEC 60502-2	-	0276-620	60502-2	ТУ 16.K71-335-2004	8,7/15 kV
YE ₃ SHŞV	N2XSEYFGbY	ПвВ	IEC 60502-2	-	0276-620	60502-2	ТУ 16.K71-335-2004	8,7/15 kV
YE ₃ SV	N2XSY	ПвВ	IEC 60502-2	-	0276-620	60502-2	ТУ 16.K71-335-2004	12/20 kV
YE ₃ SHŞV	N2XSEYFGbY	ПвВ	IEC 60502-2	-	0276-620	60502-2	ТУ 16.K71-335-2004	12/20 kV
YE ₃ SV	N2XSY	ПвВ	IEC 60502-2	-	0276-620	60502-2	ТУ 16.K71-335-2004	18/30 kV
YE ₃ SHŞV	N2XSEYFGbY	ПвВ	IEC 60502-2	-	0276-620	60502-2	ТУ 16.K71-335-2004	18/30 kV
YE ₃ SV	N2XSY	ПвВ	TSEK 16/381	-	-	60502-2	ТУ 16.K71-335-2004	20,3/35 kV
YE ₃ ŞŞV	N2XSEYFGbY	ПвВ	TSEK 16/381	-	-	-	ТУ 16.K71-335-2004	20,3/35 kV
07Z1-U	-	-	9758	HD 21.3 S3	-	-	-	450/750 V
07Z1-R	-	-	9758	HD 21.3 S3	-	-	-	450/750 V
07Z1-K	-	-	9758	HD 21.3 S3	-	-	-	450/750 V
-	NHXMH	-	9759	HD 21.4 S2	0250-214	-	-	300/500 V
052XZ1-F	NHXMH	-	9760	HD 21.5 S3	0250-214	-	-	300/500 V
NHMH	-	-	-	-	0250-215	-	-	300/500 V
N2XH	-	-	-	-	0276-604/627	-	-	0,6/1 kV
N2XCH	N2XCH	-	-	-	0276-604/627	60502-1	-	0,6/1 kV
-	N2XRH	-	-	-	-	60502-1	-	0,6/1 kV
-	N2XFGbH	-	-	-	-	60502-1	-	0,6/1 kV
N2XHF 180	-	-	-	-	0276-604/627	-	-	0,6/1 kV

SEMBOLLER / SYMBOLS

TS 621	VDE 0276	AÇIKLAMA	EXPLANATION
A	A	Alüminyum iletken	Aluminium conductor
V	Y	PVC termoplastik yalıtkan veya kılıf	PVC thermoplastic insulation or sheath
S	S	Siper	Shield
SH	SH	Her damar üzerinde siper	Metallic screen(copper) over each core
M	C	Konsantrik iletken	Concentric copper conductor
E	2Y	Polietilen	Polyethylene
E3	2X	Çapraz bağlı polietilen	Cross-linked polyethylene
Ş	F	Galvanizli yassı çelik tellerden yapılmış zırh	Galvanized flat steel wire armour
O	R	Galvanizli yuvarlak çelik tellerden yapılmış zırh	Galvanized round steel wire armour
	G	Çelik tutucu şerit	Steel tape helix
s	s	Daire kesmesi	Sector-shaped conductor
ş	v	Sıkıştırılmış iletken	Compacted conductor
ç	rm	Çok telli iletken	Stranded conductor
	W	Sıcaklığa ve korozyona dayanıklı	Resistant against heat and corrosion
	VDE 0250	AÇIKLAMA	EXPLANATION
	Y	PVC termoplastik yalıtkan	Thermoplastic insulation material(PVC)
	S	Metal siper	Metallic screen
	G	Lastik yalıtkan	Rubber insulation
	2G	Sıcaklığa dayanıklı	Resistant to heat
	W	Açık hava şartlarında dayanıklı	Resistant to open air conditions
	u	Alev geciktirici	Flame retardant
	AF	Burulmuş kablo	Twisted cable
	B	Metal kılıf (kurşun kılıf)	Metal Sheath(lead)
	T	Taşıyıcı ip, tel ve benzeri	Pilot core as textile, steel or similar
	ö	Yağa dayanıklı	Resistant to oil
	J	Yeşil/Sarı koruma iletkeni	Green/ yellow conductor for earth.



KABLO ÇAPI CABLE DIMENSIONS	MAKARA TİPİNE GÖRE SARILABİLECEK UZUNLUKLAR (METRE) LENGTHS IN M. FOR DRUMS WITH IDENT NUMBER OR DURM TYPE											
mm	070 cm	080 cm	090 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	220 cm	250 cm	260 cm
6	2024	2755										
7	1481	2340										
8	1064	1463	2731									
9	892	1152	2202	2866								
10	677	980	1768	2349								
11	564	761	1404	1912								
12	468	643	1206	1540								
13	385	542	1032	1339	2727							
14	364	454	881	1159	2265	2967						
15	297	430	749	1000	1991	2479						
16	239	358	632	860	1756	2205						
17	228	294	603	736	1545	1959						
18	218	281	505	705	1355	1737						
19	172	228	485	599	1184	1535	2722					
20	165	219	402	576	1139	1352	2435	2831				
21	159	211	387	485	991	1304	2172	2527				
22	122	167	315	468	856	1145	1931	2248				
23	117	161	304	389	827	999	1869	2172	2953			
24	113	156	294	377	709	967	1657	1927	2608			
25	110	151	285	365	688	839	1608	1867	2522			
26	80	116	226	299	668	814	1419	1650	2218			
27	78	113	221	290	567	700	1244	1450	2150	2861		
28	76	109	215	282	551	681	1211	1409	1879	2777		
29	73	106	209	226	462	663	1180	1371	1826	2450		2976
30	71	103	162	220	450	564	1028	1197	1583	2383		2893
31		76	157	214	438	550	1003	1166	1540	2089		2558
32		74	153	209	428	537	866	1009	1500	2035	2978	2491
33		72	150	204	352	451	846	985	1289	1984	2908	2428
34			146	158	344	441	828	962	1257	1726	2605	2134
35			108	154	336	431	707	824	1227	1685	2547	2083
36			105	151	329	422	692	806	1041	1646	2271	2035
37			103	148	265	348	678	788	1017	1418	2223	1774
38				144	259	341	664	772	994	1386	1969	1735
39				107	254	334	560	653	972	1356	1930	1697
40				105	249	327	549	640	812	1328	1892	1486
41				102	244	264	539	627	795	1130	1664	1435
42				100	190	259	529	615	779	1107	1633	1406
43					187	254	437	511	763	1085	1603	1199
44					183	249	430	502	749	1064	1574	1175
45					180	245	422	492	611	890	1373	1153
46					177	240	415	484	600	874	1349	1134
47					174	187	408	475	589	858	1326	1110
48					129	184	330	386	578	842	1144	931
49					127	181	325	380	568	828	1125	914
50					125	178	319	373	558	818	1107	898
51					123	175	314	367	542	806	1089	883
52					121	172	310	361	535	795	1072	869
53						170	305	356	528	784	1064	854
54						126	235	280	421	634	898	701
55						124	232	276	414	624	885	690
56						122	230	271	408	614	872	679
57						121	228	267	401	604	860	668
58						119	225	263	394	594	848	658
59						117	222	260	390	584	836	649
60							219	256	295	466	699	639
61							216	252	291	460	689	609
62							161	190	287	453	680	501



STANDART MAKARA ÖLÇÜLERİ / STANDARD REEL SIZE											
MAKARA TİPİ DRUM TYPE	ÖLÇÜLER / DIMENSIONS				TAŞIMA KAPASİTESİ LOAD CAPACITY (kg)	AĞIRLIKLAR / DRUM WEIGHT (KG)					HACİM SPACE REQUIREMENT m³
	D (mm)	D1 (mm)	L (mm)	D (mm)		BOŞ (a) (kg)	KAPALI %50 (b) (kg)	TOPLAM %50 (a+b) (kg)	KAPALI %100 (c) (kg)	TOPLAM %100 (a+c) (kg)	
050	500	260	370	050	200	18	4	22	8	26	0,09
060	600	300	370	050	350	20	6	26	12	32	0,13
070	700	350	470	80	500	23	7	30	14	37	0,23
080	800	400	470	80	650	36	8	44	16	52	0,30
090	900	450	650	80	800	50	11	61	22	72	0,53
100	1000	500	650	80	1000	60	15	75	30	90	0,65
120	1200	600	820	100	1400	90	17	107	34	124	1,18
140	1400	700	820	100	1800	115	20	135	40	155	1,61
160	1600	800	1080	110	2200	210	25	235	50	260	2,76
180	1800	1000	1080	110	2800	270	30	300	60	330	3,50
200	2000	1200	1080	110	3500	350	35	385	70	420	4,32
220	2200	1400	1320	125	4000	420	40	460	80	500	6,39
240	2400	1500	1320	125	5000	480	48	528	96	576	7,60
260	2600	1600	1320	125	6000	650	55	705	110	760	8,92
280	2800	1800	1820	125	7500	850	80	930	160	1010	14,26

KABLOLARIN DÖŞENMESİ ESNASINDA MÜSADE EDİLEN MİNİMUM BÜKÜLMÜ YARI ÇAPLARI

MIN. CONERTION STRUCTURAL MODULES PERMITTED
DURING THE INSTALLATION OF CABLES

	(0,6/1 kV) KADAR UNTIL (0,6/1 kV)	(0,6/1 kV)' DAN BÜYÜKSE BIGGER THAN (0,6/1 kV)
ÇOK DAMARLI KABLOLAR MULTI STREAKED CABLES	12xD	15xD
TÜM TEK DAMARLI KABLOLAR ALL SINGLE STREAKED CABLES	12xD	15xD

- DÖŞEME ESNASINDA MÜSAADE EDİLEN (MİN). ÇEVRE SICAKLIĞI (+3 °C)'DIR.
THE MIN. ENVIRONMENTAL TEMPERATURE PERMITTED DURING THE INSTALLATION IS (+3 °C)
- DAHA DÜŞÜK SICAKLIKLARDA KABLOYU ÖN ISITMAYA TABİ TUTMALIDIR.
THE CABLES SHOULD BE PRE -HEATED UNDER TEMPERATURES LOWER THAN THE STATED

KABLOLARIN AKIM YÜKLENEBİLME ÖZELLİKLERİ THE CURRENT APPLICABILITY OF CABLES												
KABLO ÇİNSİ CABLES TYPE	H05 V-U/K H07 V-U/K KABLOLARI H05 VV-F TS 9759			Y KABLOLARI Y CABLES								
GERİLİM VOLTAGE	380 - 1000			0,6 / 1 KV		3,5 / 6 KV		5,8 / 10 KV		8,7 / 15 KV		
DÖŞEME YERİ TYPE OF INSTALLANT	1	2-5	1	3 ve 4		3		3		3		
	BORU İÇİNDE BİR YADA DAHA FAZLA KABLO SINGLE OR SEV. CABLES IN A DUCT	HAVADA IN AIR	HAVADA, AŞAĞI KABLO ÇATI ARALIĞI ÜSTÜ DÖŞENİLMİŞ OPEN AIR INSTALL WITH A MINIMUM GAP	TOPRAKTA IN SOIL	HAVADA IN AIR	TOPRAKTA IN SOIL	HAVADA IN AIR	TOPRAKTA IN SOIL	HAVADA IN AIR	TOPRAKTA IN SOIL	HAVADA IN AIR	
KEŞİT CROSS SECTION	(mm ²)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	
0,75	-----	13	16	-----	-----	-----	-----	-----	-----	-----	-----	
1,00	-----	12	16	20	-----	-----	-----	-----	-----	-----	-----	
1,50	-----	16	20	25	27	17,5	-----	-----	-----	-----	-----	
2,50	-----	21	27	34	36	24	-----	-----	-----	-----	-----	
4,00	-----	27	36	45	46	32	-----	-----	-----	-----	-----	
6,00	-----	35	47	57	58	41	-----	-----	-----	-----	-----	
10,00	-----	48	65	78	77	57	-----	-----	-----	-----	-----	
16,00	-----	65	87	104	100	76	-----	-----	-----	-----	-----	
25,00	-----	88	115	137	130	101	120	105	125	115	105	97
35,00	-----	110	143	168	155	125	150	130	150	135	130	117
50,00	-----	140	178	210	185	151	175	155	175	165	155	146
70,00	-----	175	220	260	230	192	215	195	215	205	190	180
95,00	-----	210	265	310	275	232	260	240	255	250	225	220
120,00	-----	250	310	365	315	269	295	275	290	285	260	250
150,00	-----	-----	365	415	355	309	335	315	325	320	300	299
185,00	-----	-----	406	475	400	353	375	360	365	365	340	345
240,00	-----	-----	480	560	465	415	435	430	425	430	400	403

TEK VEYA ÇOK DAMARLI KABLOLARDA KULLANILAN ÇOK TELLİ (TEL DEMETLİ) İLETKENLER MULTI WIRE CONDUCTORS USED IN SINGLE OR MULTI CORE CABLES										
1	2	3	4	5	6	7	8	9	10	
İLETKENİ OLUŞTURAN EN AZ TEL SAYISI THE MINIMUM NUMBER OF WIRES IN THE CONDUCTORS							20° C'DEKİ EN BÜYÜK DOĞRU AKIM DİRENCİ MAX. D.C. RESISTANCE AT 20° C			
NOMİNAL KEŞİT ALANI NOMINAL CROSS SECTION	SİKİŞTİRİLMAMİŞ DAİRESEL İLETKEN UNSQUOZED CIRCULAR CONDUCTOR		SİKİŞTİRİLMİŞ DAİRESEL İLETKEN SQUOZED CIRCULAR CONDUCTOR		BİÇİMLENDİRİLMİŞ İLETKEN SHAPED CONDUCTOR		BAKIR İLETKEN COPPER CONDUCTOR		METAL KAPLAMASIZ KAPLAMALI YADA GÖMLEKLİ ALUMİNYUM İLETKENLER WITH AND WITHOUT METAL COATED OR COVERED ALUMINUM WIRES	
	Cu	Al	Cu	Al	Cu	Al	METAL KAPLAMASIZ TEL WITHOUT METAL WIRE	METAL KAPLAMALI TEL METAL COATED WIRE		
(mm ²)							(Ω / Km)	(Ω / Km)		
0,50	7	-----	-----	-----	-----	-----	36,0000	36,7000		
0,75	7	-----	-----	-----	-----	-----	24,5000	24,8000		
1,00	7	-----	-----	-----	-----	-----	18,1000	18,2000		
1,50	7	-----	6	-----	-----	-----	12,1000	12,2000		
2,50	7	-----	6	-----	-----	-----	7,4100	7,5600		
4,00	7	7 ¹⁾	6	-----	-----	-----	4,6100	4,7000	7,4100	
6,00	7	7 ¹⁾	6	-----	-----	-----	3,0800	3,1100	4,6100	
10,00	7	7	6	-----	-----	-----	1,8300	1,8400	3,8000	
16,00	7	7	6	6	-----	-----	1,1500	1,1000	1,9100	
25,00	7	7	6	6	6	6	0,7270	0,3740	1,2000	
35,00	7	7	6	6	6	6	0,5240	0,5290	0,8680	
50,00	19	19	6	6	6	6	0,3870	0,3910	0,6410	
70,00	19	19	12	12	12	12	0,2680	0,2700	0,4430	
95,00	19	19	15	15	15	15	0,1930	0,1950	0,3200	
120,00	37	37	18	15	18	15	0,1530	0,1540	0,2530	
150,00	37	37	18	15	18	15	0,1240	0,1260	0,2060	
185,00	37	37	30	30	30	30	0,0991	0,1000	0,1640	
240,00	61	61	34	30	34	30	0,0754	0,0762	0,1250	
300,00	61	61	34	30	34	30	0,0601	0,0607	0,1000	
400,00	61	61	53	53	53	53	0,0470	0,0475	0,0778	
500,00	61	61	53	53	53	53	0,0366	0,0369	0,0605	
630,00	91	91	53	53	53	53	0,0283	0,0286	0,0469	
800,00	91	91	53	53	-----	-----	0,0221	0,0224	0,0367	
1000,00	91	91	53	53	-----	-----	0,0176	0,0177	0,0291	
1200,00	1)	-----	1)	-----	-----	-----	-----	0,0151	0,0247	
(1400) ²⁾	1)	-----	1)	-----	-----	-----	-----	0,0129	0,0212	
1600	1)	-----	1)	-----	-----	-----	-----	0,0113	0,0186	
(1800) ²⁾	1)	-----	1)	-----	-----	-----	-----	0,0101	0,0165	
2000	1)	-----	1)	-----	-----	-----	-----	0,0090	0,0149	

1- EN AZ TEL SAYISI BELİRTİLMEMİŞTİR
THE MINIMUM NUMBER OF WIRE IS NOT MENTIONED

2- BU KEŞİTLER, KABLOLUN TİPİ VE UYGULAMA DURUMLARI AÇISINDAN İLETKEN UYGUNLUĞUNUN ÖZELLİKLERİ ÖNGÖRÜLDÜĞÜ HALLERDE KULLANILABİLİR
THESE CROSS SECTIONS ARE USED WHENEVER THE CONDUCTORS LENGTH ARE NECESSARY FOR CABLE TYPE AND APPLICATION PLACE

3- PARANTEZ İÇİNDEKİLER KEŞİTLER, ZORUNLULUK DEREJESİ ÖNCEDEN BELİRTİLMEK ŞARTI İLE KULLANILABİLİR
THOSE CROSS SECTION WHICH ARE IN BRACKETS CAN ONLY BE USED FOR THE PREDECEDED REASON OF APPLICATION

Merkez Ofis / Head Office :

Boundary Road HNO 3 Sigma Square
East Lagon /Accra - Ghana

T. +233 500 590 000
info@cosmoscable.com

Türkiye Ofis / Turkey Office :

Perpa Elektrokent Trade Center A-11 No: 1676
ŞİŞLİ / İSTANBUL

Office Line: +90 212 688 0 886
Cell Phone: +90 542 557 45 80

İLETİŞİM
Contact Us

