







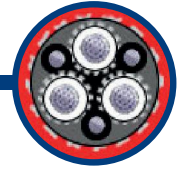




Teknik Veriler / Technical Data

 Çalışma gerilimi Operating voltage 3,6/6 kV-6/10 kV- 12/20 kV	 Çalışma sıcaklığı Operating temperature Max.-30°C , +90°C	 Kısa devre sıcaklığı Max. Short-circuit temperature Max. 250°C	 Bükme yarıçap Min. Bending radius Min. Acc. VDE 0298 part 3
 Test gerilimi Test voltage 11 kV-17 kV-35 kV	 Referans standart Reference standard DIN VDE 0250 part 813	 Akım taşıma kapasitesi Current carrying capacity DIN VDE0298-4, HD 516	 Ozona Dayanım Ozone Resistance EN 60811-2-1, HD 22.2
 Yağlara dayanım Oil resistance DIN VDE 0473 - 811-2.1			

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Kullanım Alanları

Yer altı maden ocakları, şantiye alanları, vb. gibi çok yüksek mekanik etkilere maruz kalınan ortamlarda kullanılan orta gerilim kablolarıdır. Hem açık alanda hem de kapalı alanda kullanılabilirler. Ayrıca yağa, ozona, rutubete ve kimyasallara karşı dayanımları sayesinde tünel inşaatlarında ve tünel kazma makinelerinde de kullanılırlar.

Applications

Rubber sheathed power supply cables for applications with harsh mechanical conditions like underground mines, construction lots, etc. They are suitable for both indoors and outdoors. Thanks to their resistance against oil, ozone, moisture and chemicals; these cables are also used in tunnel constructions and tunnel drilling machines.

Kablo Yapısı / Cable Structure

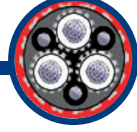
İletken	: Bükülü kalaylı bakır (DIN VDE 0295 Class 5)
Conductor	: Stranded tinned copper wires (DIN VDE 0295 Class 5)
Yarı iletken	: Yarı iletken bant veya kauçuk
Semi-conductor	: Semi-conductive tape or rubber
İzolasyon	: Kauçuk (DIN VDE 0207 Teil 20 / 3GI3)
Insulation	: Rubber (DIN VDE 0207 Teil 20 / 3GI3)
Bireysel Örgü	: Kalaylı bakır Örgü
Individual Braiding:	Tinned Copper +Textile combined braiding
İç kılıf	: Kauçuk (DIN VDE 0207 Teil 21 / GM1b)
Inner Sheath	: Rubber (DIN VDE 0207 Teil 21 / GM1b)
Genel Ekran	: Tekstil örgü
General Screen	: Textile braiding
Kılıf	: Kauçuk (DIN VDE 0207 Teil 21 / 5GM5)
Sheath	: Rubber (DIN VDE 0207 Teil 21 / 5GM5)

Uygulanan Testler / Applied Tests

Elektriksel testler	: HD 22.2, DIN VDE 0472 -501,502, 503
Electrical tests	
Yapısal boyut testleri	: HD 22.1,2, DIN VDE 0472-401,402
Structural dimension tests	
Mekanik testler	: DIN VDE 472-602,303,615,803,805 DIN VDE 0473 - 811-2.1
Mechanical tests	
Düşük sıcaklıktaki testler	: EN 60811-1-4
Low temperature tests	
Yangın performans testleri	: DIN VDE 0472-804
Fire performance tests	



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Damar Sayısı x İletken Kesiti (mm ²)	Dış Çap yaklaşık (mm)	Bakır Faktörü (kg/km)	Kablo Ağırlığı yaklaşık (kg/km)
Core Numbers Conductor Section (mm ²)	O.D approx (mm)	Copper Factor (kg/km)	Cable Weight approx (kg/km)
3x10+3x10/3	33 - 37	480,0	1,5
3x16+3x16/3	35 - 39	768,0	1,8
3x25+3x16/3	40 - 44	1.114,0	2,4
3x25+3x25/3	40 - 44	1.200,0	2,5
3x35+3x16/3	43 - 47	1.315,0	2,8
3x35+3x25/3	44 - 48	1.488,0	2,9
3x50+3x25/3	45 - 49	1.920,0	3,4
3x70+3x35/3	53 - 57	2.688,0	4,6
3x95+3x50/3	56 - 60	3.696,0	5,7
3x120+3x70/3	64 - 68	4.800,0	7,6
3x150+3x70/3	66 - 80	5.664,0	8,5
3x185+3x95/3	76 - 80	7.152,0	10,8
3x240+3x120/3	79 - 83	9.216,0	12,5
3x10+3x10/3	36 - 40	480,0	1,7
3x16+3x16/3	40 - 44	768,0	2,2
3x25+3x16/3	43 - 47	1.114,0	2,6
3x25+3x25/3	43 - 47	1.200,0	2,7
3x35+3x16/3	47 - 51	1.315,0	3,1
3x35+3x25/3	47 - 51	1.488,0	3,2
3x50+3x25/3	49 - 53	1.920,0	3,7
3x70+3x35/3	55 - 59	2.688,0	4,9
3x95+3x50/3	59 - 63	3.696,0	5,9
3x120+3x70/3	66 - 70	4.800,0	7,8
3x150+3x70/3	69 - 73	5.664,0	8,8
3x185+3x95/3	78 - 82	7.152,0	11,1
3x240+3x120/3	81 - 85	9.216,0	12,9

Damar Sayısı x İletken Kesiti (mm ²)	Dış Çap yaklaşık (mm)	Bakır Faktörü (kg/km)	Kablo Ağırlığı yaklaşık (kg/km)
Core Numbers Conductor Section (mm ²)	O.D approx (mm)	Copper Factor (kg/km)	Cable Weight approx (kg/km)
3x10+3x10/3	39 - 43	480,0	1,9
3x16+3x16/3	42 - 46	768,0	2,3
3x25+3x16/3	45 - 49	1.114,0	2,7
3x25+3x25/3	45 - 49	1.200,0	2,9
3x35+3x16/3	49 - 53	1.315,0	3,2
3x35+3x25/3	49 - 53	1.488,0	3,3
3x50+3x25/3	52 - 56	1.920,0	4,1
3x70+3x35/3	57 - 61	2.688,0	5,0
3x95+3x50/3	60 - 64	3.696,0	6,1
3x120+3x70/3	68 - 72	4.800,0	8,0
3x150+3x70/3	71 - 75	5.664,0	9,0
3x185+3x95/3	80 - 84	7.152,0	11,3
3x240+3x120/3	83 - 87	9.216,0	13,1
3x10+3x10/3	47 - 51	768,0	2,6
3x16+3x16/3	52 - 56	1.114,0	3,3
3x25+3x16/3	52 - 56	1.200,0	3,4
3x25+3x25/3	52 - 56	1.200,0	3,4
3x35+3x16/3	54 - 58	1.315,0	3,8
3x35+3x25/3	55 - 59	1.488,0	4,0
3x50+3x25/3	57 - 61	1.920,0	4,5
3x70+3x35/3	63 - 67	2.688,0	5,7
3x95+3x50/3	67 - 71	3.696,0	6,8
3x120+3x70/3	74 - 78	4.800,0	8,9
3x150+3x70/3	77 - 81	5.664,0	9,9
3x185+3x95/3	88 - 92	7.152,0	12,7
3x240+3x120/3	91 - 95	9.216,0	14,5