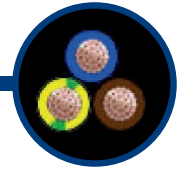


Teknik Veriler / Technical Data

 Çalışma gerilimi Operating voltage 450/750	 Çalışma sıcaklığı Operating temperature -20 ...+60°C	 Bükme yarıçap Bending radius Min. 7,5xØ	 Ozona Dayanım Ozone Resistance EN 60811-2-1, HD 22.2
 Test gerilimi Test voltage 2500	 Kısa devre sıcaklığı Max. Short-circuit temperature Max. 200°C	 Max. Kalıcı çekme yükü Max. Permanent tensile load 15 N/mm ²	 Yağlara dayanım Oil resistance EN 60811-2-1
 Referans standart Reference standard HD 22.16 S2	 Akım taşıma kapasitesi Current carrying capacity DIN DE0298-4, HD 516		

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450/750



Kullanım Alanları

Yüksek ve orta dereceli mekanik etkenlere maruz kalan, hareketli aletleri, güç araçlarını ve makineleri bağlamak için kullanılan kauçuk kılıflı esnek kablolardır. Bu kablolar; kuru, rutubetli ve ıslak çevre şartlarında çalıştırılan endüstriyel ekipmanlar, tarım makineleri ve elektrikli aletler gibi makine ve cihazlarda kullanılmaktadır. Yağa, mazota, asitlere, kimyasallara, ozona ve aleve karşı dayanıklılıkları sayesinde; hareketli motorlarda, tersanelerde ve şantiyelerde kullanıma uygundur. Mekanik parçalar üzerinde doğrudan uygulanabilme özelliği sayesinde, bu kablolar asansör ve vinçlerde de kullanılabilirler. Özel kılıfları sayesinde sualtı pompalarında bağlantıyı sağlamak için ihtiyaç duyulan su geçirmez kablolar olarak da kullanılırlar. Kuru, nemli, ıslak çevrelerde ve açık alanlarda kullanıma uygundur.

Applications

Heavy rubber sheathed flexible cables for high and medium mechanical demands to connect moving implements, power appliances and machines. These cables are used on the machinery and devices such as industrial equipments, electric tools and agricultural machines which are operated within dry, humid and wet environments. Owing to their resistance against oil, diesel oil, acids, chemicals, ozone and flame; they are suited usage in moving engines, shipyards and building lots. Eligibility due to direct laying on mechanical parts, these cables are also used for lifts and cranes. Thanks to its special sheath structure, these cables are also used as waterproof cables for connection from underwater pumps. They can be used in dry, humid, wet environments and open areas.

Kablo Yapısı / Cable Structure

İletken Conductor	: Bükülü tala bakır teller (HD 383 Class 5) Stranded bare copper wires (HD 383 Class 5)
İzolasyon Insulation	: Kauçuk bileşik (HD 22.1 / E14) Rubber compound (HD 22.1 / E14)
İzolasyon renkleri Insulation colors	: Renkli yada numaralı siyah damarlar, (HD 308 S2) With colors or numbered black cores, (HD 308 S2)
Kılıf Sheath	: Kauçuk bileşik (EN 50363-2-1 EM2) Rubber compound (EN 50363-2-1 EM2)
Renk Color	: Siyah Black

Uygulanan Testler / Applied Tests

Yapısal boyut testleri Structural dimension tests	: EN 50525-1 EN 50396
Mekanik testler Mechanical tests	: EN 60811-1-2, EN 60811-1-2 EN 60811-2-1 EN 60811-3-1
Elektriksel testler Electrical tests	: EN 50395
Düşük sıcaklık testleri Low temperature tests	: EN 60811-1-4/4-1
Yangın performans testleri Fire performance tests	: EN 50265-2-1

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)
1X1.5	5.7 - 7.1	14,4	58,0
1X2,5	6,3 - 7,9	24,0	71,0
1X4	7,2 - 9,0	38,0	100,0
1X6	7,9 - 9,8	58,0	130,0

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)
1X10	9.5 - 11.9	96,0	230,0
1X16	10.8 - 13.4	154,0	290,0
1X25	12.7 - 15.8	240,0	420,0
1X35	14.3 - 17.9	336,0	530,0

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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)
1X50	16,5 - 20,6	480,0	750,0
1X70	18,6 - 23,3	672,0	960,0
1X95	20,8 - 26,0	912,0	1.250,0
1X120	22,8 - 28,6	1.152,0	1.560,0
1X150	25,2 - 31,4	1.440,0	1.900,0
1X185	27,6 - 34,4	1.776,0	2.300,0
1X240	30,6 - 38,3	2.304,0	2.950,0
1X300	33,5 - 41,9	2.880,0	3.600,0
1X400	37,4 - 46,8	3.840,0	4.600,0
1X500	41,3 - 52,0	4.800,0	6.000,0
2X1	7,7 - 10,0	19,0	98,0
2X1,5	8,5 - 11,0	29,0	135,0
2X2,5	10,2 - 13,1	48,0	193,0
2X4	11,8 - 15,1	77,0	280,0
2X6	13,1 - 16,8	115,0	330,0
2X10	17,7 - 22,6	192,0	586,0
2X16	20,2 - 25,7	307,0	810,0
2X25	24,3 - 30,7	480,0	1.160,0
3G1	8,3 - 10,7	29,0	130,0
3G1,5	9,2 - 11,9	43,0	165,0
3G2,5	10,9 - 14,0	72,0	235,0
3G4	12,7 - 16,2	115,0	320,0
3G6	14,1 - 18,0	173,0	420,0
3G10	19,1 - 24,2	288,0	810,0
3G16	21,8 - 27,6	461,0	1.050,0
3G25	26,1 - 33,0	720,0	1.250,0
3G35	29,3 - 37,1	1.008,0	1.900,0
3G50	34,1 - 42,9	1.440,0	2.600,0
3G70	38,4 - 48,3	2.016,0	3.400,0
3G95	43,3 - 54,0	2.736,0	4.450,0
3G120	47,4 - 60,0	3.456,0	5.180,0
3G150	52,0 - 66,0	4.320,0	6.500,0

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)
3G185	57,0 - 72,0	5.328,0	7.860,0
3G240	65,0 - 82,0	6.192,0	10.224,0
3G300	72,0 - 90,0	8.640,0	12.620,0
4G1	9,2 - 11,9	38,0	150,0
4G1,5	10,2 - 13,1	58,0	200,0
4G2,5	12,1 - 15,5	96,0	290,0
4G4	14,0 - 17,9	154,0	395,0
4G6	15,7 - 20,0	230,0	540,0
4G10	20,9 - 26,5	384,0	950,0
4G16	23,8 - 30,1	614,0	1.260,0
4G25	28,9 - 36,6	960,0	1.860,0
4G35	32,5 - 41,1	1.344,0	2.380,0
4G50	37,7 - 47,5	1.920,0	3.190,0
4G70	42,7 - 54,0	2.688,0	4.260,0
4G95	48,4 - 61,0	3.648,0	5.600,0
4G120	53,0 - 66,0	4.608,0	6.830,0
4G150	58,0 - 73,0	5.760,0	8.320,0
4G185	64,0 - 80,0	7.104,0	9.800,0
4G240	72,0 - 91,0	9.216,0	12.100,0
4G300	80,0 - 101,0	11.520,0	15.200,0
5G1,0	10,2 - 13,1	48,0	175,0
5G1,5	11,2 - 14,4	72,0	240,0
5G2,5	13,3 - 17,0	120,0	345,0
5G4	15,6 - 19,9	192,0	485,0
5G6	17,5 - 22,2	288,0	650,0
5G10	22,9 - 29,1	480,0	1.200,0
5G16	26,4 - 33,3	768,0	1.550,0
5G25	32,0 - 40,4	1.200,0	2.250,0
6G1,5	13,4 - 17,2	87,0	171,0
6G2,5	15,7 - 20,0	144,0	279,0
12G1,5	17,6 - 22,4	173,0	340,0
12G2,5	20,6 - 26,2	288,0	571,0

- * G = Sarı/yeşil toprak damarlı, X = Toprak damarsız
- * Standart ambalajlama
Kangal < 30 kg e 250 mt < Makara
- * Akım taşıma kapasiteleri için teknik eklere bakınız

- * G = With green/yellow earth core, X = without earth core
- * Standard packaging
Coil < 30 kg and 250 mt < Drum
- * See the technical annexes for current carrying capacities