



Teknik Veriler / Technical Data



Çalışma gerilimi
Operating voltage
≤ 0,14 mm²: 300 V
> 0,14 mm²: 300/500 V



İzolasyon direnci
Insulation resistance
Min 200 Mohm x Km



Çalışma sıcaklığı
Operating temperature
-30 ... +70°C



Bükme yarıçapı
Bending radius
Min. 7,5 x Ø



Test gerilimi
Test voltage
≤ 0,14 mm²: 1200 V
> 0,14 mm²: 1500 V



Kapasite (800 Hz)
Capacitance (800 Hz)
Max. 120 pf/m



Kısa devre sıcaklığı Max.
Short-circuit temperature Max.
160°C



Alev iletmeme
Flame retardant
IEC 60332-1-2



Referans standart
Reference standard
VDE 0812 & VDE 0814



Düşük duman yoğunluğu
Low smoke density
IEC 61034-1



Halojeniz
Halogen - free
IEC 60754-1-2

LIH(St)H

300/500V



Kullanım Alanları

Bu kablolar mekanik zorlamaların bulunmadığı nemli, ıslak ve kuru harici ortamlarda, bilgisayarlarda, makine imalatı ve makine sektöründe, kontrol sistemlerinde data ve sinyal kablosu olarak kullanılırlar. Halojeniz yalıtım malzemeleri sayesinde aşındırıcı ve zehirli gazlar üretmezler.

Applications

These cables are for flexible use with free movement without tensile stress or forced movements in dry, moist and wet rooms, as data cables in control technologies, in the machine manufacturing and machine industries, in computers and as signal cable for the electronics branch. The halogen-free insulation materials produces neither corrosive nor toxic gases.

Kablo Yapısı / Cable Structure

İletken Conductor	: Tavlı bükülü bakır tel (HD 383 S2 Class 5) : Annealed stranded copper wire (HD 383 S2 Class 5)
İzolasyon Insulation	: HFFR bileşik (VDE 0207 - 23 / HI2) : HFFR compound (VDE 0207 - 23 / HI2)
Damar renkleri Core Identification	: DIN 47100 : DIN 47100
Büküm Lay-up	: Katlar halinde bükülür : In layers stranding
Ayırıcı Separator	: Polyester bant : Polyester tape
Ekran Screen	: Toprak teli ve Al-pes folyo : Drain wire and Al-pes foil
Dış Kılıf Outer sheath	: HFFR bileşik (VDE 0207 - 24 / HM2) : HFFR compound (VDE 207 - 24 / HM2)
Renk Color	: RAL 7001 Gri : RAL 7001 Gray

Uygulanan Testler / Applied Tests

Yapısal boyut testleri Structural dimension tests	: DIN VDE 472 Teil 401, 402
Mekanik testler Mechanical tests	: DIN VDE 472 Teil 303, 602, 603, 604, 608, 609, 610, 612 620, 804, 808
Elektriksel testler Electrical tests	: DIN VDE 472 Teil 502, 504, 509, 510
Yangın performans testleri Fire performance tests	: IEC 60332-1-2, IEC 61034-1 IEC 60754-1-2

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)
2x0,22	3,8	7,0	18,0
3x0,22	4,0	9,0	22,0
4x0,22	4,4	11,0	29,0
5x0,22	4,7	14,0	33,0
6x0,22	5,2	16,0	36,0
7x0,22	5,3	18,0	41,0
10x0,22	6,3	25,0	55,0
12x0,22	6,8	30,0	65,0
14x0,22	7,3	38,0	70,0

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)
2x0,34	4,0	9,0	25,0
3x0,34	4,5	13,0	30,0
4x0,34	4,7	15,0	38,0
5x0,34	5,3	19,0	45,0
6x0,34	5,6	22,0	49,0
7x0,34	5,7	25,0	60,0
10x0,34	7,5	34,0	75,0
12x0,34	8,2	40,0	95,0
14x0,34	8,5	47,0	110,0

LIH(ST)H

300/500V



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)
2x0,50	4,8	13,0	30,0
3x0,50	5,1	17,0	37,0
4x0,50	5,5	24,0	50,0
5x0,50	6,0	28,0	55,0
6x0,50	6,7	32,0	65,0
7x0,50	6,7	37,0	75,0
8x0,50	7,4	42,0	85,0
10x0,50	8,5	51,0	100,0
12x0,50	9,3	60,0	125,0
14x0,50	9,9	69,0	145,0
16x0,50	10,8	78,0	165,0
20x0,50	11,9	96,0	220,0
25x0,50	13,3	120,0	255,0
2x0,75	5,4	20,0	45,0
3x0,75	5,8	26,0	55,0
4x0,75	6,3	33,0	65,0
5x0,75	6,9	41,0	80,0
6x0,75	7,4	41,0	85,0
7x0,75	7,4	55,0	100,0
8x0,75	8,3	63,0	115,0
10x0,75	9,3	74,0	140,0
12x0,75	9,8	89,0	160,0
14x0,75	10,4	103,0	190,0
16x0,75	11,6	118,0	210,0
20x0,75	12,3	145,0	275,0
25x0,75	14,0	180,0	320,0

* Yüksek akım enerji beslemesi için uygun değildir.

* Standart ambalajlama

Kangal < 30 kg ve 250 mt < Makara

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)
2x1,0	5,6	29,0	48,0
3x1,0	6,1	40,0	62,0
4x1,0	6,5	46,0	80,0
5x1,0	7,5	55,0	95,0
6x1,0	7,8	65,0	105,0
7x1,0	7,8	75,0	115,0
8x1,0	8,9	84,0	130,0
10x1,0	10,3	100,0	165,0
12x1,0	10,8	120,0	195,0
14x1,0	11,4	135,0	225,0
16x1,0	12,0	155,0	260,0
20x1,0	13,5	195,0	325,0
25x1,0	15,1	235,0	390,0
2x1,5	6,4	42,0	70,0
3x1,5	6,8	55,0	90,0
4x1,5	7,3	68,0	110,0
5x1,5	8,1	81,0	130,0
6x1,5	9,0	85,0	145,0
7x1,5	9,0	109,0	175,0
8x1,5	10,5	121,0	195,0
10x1,5	11,8	150,0	230,0
12x1,5	12,3	175,0	280,0
14x1,5	13,5	202,0	320,0
16x1,5	14,2	229,0	355,0
20x1,5	16,0	282,0	440,0
25x1,5	17,8	345,0	560,0

* Not suitable for high current power supply

* Standard packaging

Coil < 30 kg and 250 mt < Drum