

Teknik Veriler / Technical Data



Çalışma gerilimi
Operating voltage
300/500V



Test gerilimi
Test voltage
2000 V



Düşük duman yoğunluğu
Low smoke density
IEC 61034-1



İzolasyon direnci
Insulation resistance
Min 20 Mohm xKm



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



Halojensiz
Halogen-free
IEC 60754-1-2



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



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



Bükme yarıçapı
Bending radius
Min. 7,5 x Ø



Alev iletmeme
Flame retardant
IEC 60332-1-2

HSLCH-JZ 500

300/500V



Kullanım Alanları

Bu kablolar, makinelerde ölçme ve kontrol kablosu, konveyör bağlantıları, makine üretimi üretim hatları, klimalar ve çelik üretimi gibi mekanik gerilmelerin olmadığı yada hafif şiddet gerilmeli, hareket zorlamasız kuru, nemli ve ıslak yerlerde kullanılır. Yapısında bulunan HFFR malzemeler sayesinde yangın esnasında zehirli gaz ve siyah duman çıkarmazlar

Applications

These cables are for flexible use for medium mechanical stresses with free movement without tensile stress or forced movements in dry, moist and wet rooms but not suitable for open air, as measuring and control cables in tool machines, conveyor belts, production lines in machinery production, in air-conditioning and in steel production. Due to HFFR material in their structure during the fire there will be not poisonous gas and black smoke.

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	: Sarı/Yeşil ve numaralı damarlar : Green/Yellow and numbered cores
Büküm Lay-up	: Katlar halinde bükülür : In layers stranding
Ayırıcı Separator	: Polyester bant : Polyester tape
Ekran Screen	: Kalaylı bakır örgü ekran : Tinned copper braid screen
Dış kılıf Outer sheath	: HFFR bileşik (VDE 0207 - 24 / HM2) : HFFR compound (VDE 0207 - 24 / HM2)
Kılıf Rengi Sheath 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	: VDE 0482-332-1-2, 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)
2 x 0,5	5,7	36,0	44,0
3 G 0,5	6,0	43,0	52,0
4 G 0,5	6,3	49,0	62,0
5 G 0,5	7,0	57,0	75,0
7 G 0,5	7,5	69,0	98,0
12 G 0,5	9,9	104,0	160,0

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)
18 G 0,5	11,5	141,0	222,0
25 G 0,5	13,4	211,0	311,0
34 G 0,5	15,4	287,0	398,0
2 X 0,75	6,0	43,0	58,0
3 G 0,75	6,3	52,0	68,0
4 G 0,75	7,0	61,0	78,0

HSLCH-JZ 500

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)
5 G 0,75	7,5	72,0	97,0
7 G 0,75	8,3	89,0	129,0
12 G 0,75	10,6	138,0	203,0
18 G 0,75	12,7	211,0	290,0
25 G 0,75	14,8	280,0	413,0
2 x 1	6,3	51,0	66,0
3 G 1	6,8	62,0	80,0
4 G 1	7,3	74,0	100,0
5 G 1	8,0	88,0	130,0
7 G 1	8,7	112,0	155,0
12 G 1	11,4	185,0	245,0
18 G 1	13,6	268,0	368,0
25 G 1	15,9	354,0	493,0
2 X 1,5	7,0	65,0	88,0
3 G 1,5	7,3	82,0	99,0
4 G 1,5	8,2	100,0	125,0
5 G 1,5	8,9	119,0	158,0
7 G 1,5	9,8	154,0	210,0
12 G 1,5	12,8	268,0	340,0
18 G 1,5	15,4	373,0	480,0
25 G 1,5	17,7	530,0	668,0
2 x 2,5	8,3	96,0	121,0
3 G 2,5	8,9	118,0	157,0
4 G 2,5	9,9	147,0	196,0
5 G 2,5	10,8	176,0	235,0
7 G 2,5	11,9	253,0	311,0
12 G 2,5	16,0	385,0	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)
3 G 4	10,5	178,0	222,0
4 G 4	11,6	248,0	291,0
5 G 4	12,9	269,0	361,0
7 G 4	14,4	371,0	468,0
3 G 6	12,3	240,0	318,0
4 G 6	13,8	343,0	437,0
5 G 6	15,4	441,0	510,0
7 G 6	17,0	510,0	670,0
3 G 10	15,6	350,0	495,0
4 G 10	17,5	535,0	685,0
5 G 10	19,9	592,0	824,0
7 G 10	21,4	820,0	1.200,0
4 G 16	20,7	800,0	972,0
5 G 16	23,2	1.050,0	1.293,0
7 G 16	24,8	1.470,0	1.730,0
4 G 25	26,5	1.075,0	1.591,0
5 G 25	28,8	1.446,0	1.971,0
4 G 35	29,8	1.690,0	2.264,0
5 G 35	33,5	1.930,0	2.837,0
4 G 50	35,9	2.315,0	3.162,0
5 G 50	40,0	2.694,0	4.122,0
4 G 70	41,0	3.020,0	4.259,0
5 G 70	46,3	3.696,0	5.861,0
4 G 95	48,9	4.013,0	6.270,0
5 G 95	53,0	5.016,0	7.840,0
4 G 120	54,0	5.067,0	7.981,0

* Direkt olarak toprak altına gömülmesi önerilmez.

* G = Sarı/yeşil toprak damarlı, X = Toprak damarsız

* Standart ambalajlama

Kangal < 30 kg ve 250 mt < Makara

* Akım taşıma kapasiteleri için teknik eklere bakınız

* Not recommended for direct underground burial.

* 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