



## Teknik Veriler / Technical Data



**Çalışma gerilimi**  
Operating voltage  
450/750V



**Test gerilimi**  
Test voltage  
2500 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

# HSLH-JZ 750

## 450/750V



### 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

<b>İletken</b> Conductor	: Tavlı bükülü bakır tel (HD 383 S2 Class 5) : Annealed stranded copper wire (HD 383 S2 Class 5)
<b>İzolasyon</b> Insulation	: HFFR bileşik (VDE 0207 - 23 / HI2) : HFFR compound (VDE 0207 - 23 / HI2)
<b>Damar renkleri</b> Core Identification	: Sarı/Yeşil ve numaralı damarlar : Green/Yellow and numbered cores
<b>Büküm</b> Lay-up	: Katlar halinde bükülür : In layers stranding
<b>Dış kılıf</b> Outer sheath	: HFFR bileşik (VDE 0207 - 24 / HM2) : HFFR compound (VDE 0207 - 24 / HM2)
<b>Kılıf Rengi</b> Sheath Color	: RAL 7001 Gri : RAL 7001 Gray

### Uygulanan Testler / Applied Tests

<b>Yapısal boyut testleri</b> Structural dimension tests	: DIN VDE 472 Teil 401, 402
<b>Mekanik testler</b> Mechanical tests	: DIN VDE 472 Teil 303, 602, 603, 604, 608, 609, 610, 612 620, 804, 808
<b>Elektriksel testler</b> Electrical tests	: DIN VDE 472 Teil 502, 504, 509, 510
<b>Yangın performans testleri</b> Fire performance tests	: VDE 0482-332-1-2, IEC 61034-1, IEC 60754-1-2

Damar Sayısı x İletken Kesiti (mm <sup>2</sup> ) Core Numbers Conductor Section (mm <sup>2</sup> )	Dış Çap yaklaşık (mm) O.D approx (mm)	Bakır Faktörü (kg/km) Copper Factor (kg/km)	Kablo Ağırlığı yaklaşık (kg/km) Cable Weight approx (kg/km)
2x0,5	5,7	9,6	48,0
3G0,5	6,0	14,5	65,0
4G0,5	6,8	20,0	81,0
5G0,5	7,4	24,0	98,0
7G0,5	8,3	34,0	123,0
8G0,5	9,1	38,0	155,0
10G0,5	10,0	48,0	180,0
12G0,5	11,8	58,0	208,0
14G0,5	11,7	67,0	248,0
16G0,5	12,5	76,0	260,0

Damar Sayısı x İletken Kesiti (mm <sup>2</sup> ) Core Numbers Conductor Section (mm <sup>2</sup> )	Dış Çap yaklaşık (mm) O.D approx (mm)	Bakır Faktörü (kg/km) Copper Factor (kg/km)	Kablo Ağırlığı yaklaşık (kg/km) Cable Weight approx (kg/km)
18G0,5	13,2	87,0	285,0
21G0,5	13,8	96,0	375,0
25G0,5	15,5	118,0	400,0
30G0,5	16,6	144,0	475,0
40G0,5	18,7	192,0	590,0
50G0,5	21,5	240,0	710,0
61G0,5	23	293,0	880,0
2x0,75	6,2	15,0	60,0
3G0,75	6,5	22,0	78,0
4G0,75	7,3	29,0	104,0

# HSLH-JZ 750

## 450/750V



Damar Sayısı x İletken Kesiti (mm <sup>2</sup> )	Dış Çap yaklaşık (mm)	Bakır Faktörü (kg/km)	Kablo Ağırlığı yaklaşık (kg/km)
Core Numbers Conductor Section (mm <sup>2</sup> )	O.D approx (mm)	Copper Factor (kg/km)	Cable Weight approx (kg/km)
5G0.75	8.0	36.0	116.0
7G0.75	8.9	51.0	148.0
8G0.75	9.6	58.0	160.0
10G0.75	10.7	72.0	195.0
12G0.75	11.6	87.0	248.0
15G0.75	13.2	108.0	295.0
18G0.75	14.1	130.0	346.0
21G0.75	14.8	151.0	395.0
25G0.75	16.6	180.0	505.0
34G0.75	19.3	245.0	684.0
41G0.75	20.9	296.0	780.0
50G0.75	22.9	360.0	940.0
61G0.75	24.5	440.0	1125.0
2x1	6.6	20.0	80.0
3G1	7.0	29.0	92.0
3x1	7.0	29.0	92.0
4G1	7.8	39.0	122.0
4x1	7.8	39.0	122.0
5G1	8.6	48.0	137.0
7G1	9.5	68.0	186.0
7x1	9.5	68.0	186.0
8G1	10.3	77.0	240.0
12G1	12.7	116.0	293.0
14G1	13.4	134.0	340.0
16G1	14.4	154.0	400.0
18G1	15.1	173.0	437.0
21G1	16.1	205.0	505.0
25G1	18.0	240.0	606.0
34G1	20.9	326.0	770.0
41G1	22.5	394.0	880.0
50G1	24.8	480.0	1400.0
61G1	26.5	586.0	1450.0
2x1.5	7.2	29.0	90.0
3G1.5	7.8	43.0	120.0
3x1.5	7.8	43.0	120.0
4G1.5	8.5	58.0	150.0

Damar Sayısı x İletken Kesiti (mm <sup>2</sup> )	Dış Çap yaklaşık (mm)	Bakır Faktörü (kg/km)	Kablo Ağırlığı yaklaşık (kg/km)
Core Numbers Conductor Section (mm <sup>2</sup> )	O.D approx (mm)	Copper Factor (kg/km)	Cable Weight approx (kg/km)
4x1.5	8.5	58.0	155.0
5G1.5	9.6	72.0	177.0
7G1.5	10.4	101.0	220.0
8G1.5	11.4	115.0	248.0
9G1.5	12.5	130.0	278.0
12G1.5	14.1	173.0	364.0
14G1.5	14.9	202.0	390.0
16G1.5	16.0	230.0	490.0
18G1.5	17.0	259.0	550.0
21G1.5	18.0	302.0	670.0
25G1.5	20.2	360.0	745.0
32G1.5	22.6	461.0	810.0
34G1.5	23.4	490.0	1010.0
42G1.5	25.5	605.0	1115.0
50G1.5	27.9	720.0	1430.0
61G1.5	30.0	878.0	1750.0
2x2.5	8.6	48.0	110.0
3G2.5	9.3	72.0	190.0
4G2.5	10.2	96.0	240.0
5G2.5	11.4	120.0	270.0
7G2.5	12.6	168.0	350.0
12G2.5	16.9	288.0	600.0
14G2.5	18.2	336.0	870.0
18G2.5	20.4	432.0	1050.0
25G2.5	24.4	600.0	1170.0
3x4	12.8	116.0	255.0
5x4	14.2	192.0	400.0
7x4	17.9	269.0	491.0
3x6	14.1	173.0	410.0
5x6	18.5	288.0	640.0
7x6	19.8	403.0	860.0
3x10	17.5	288.0	825.0
5x10	20.8	480.0	1008.0
7x10	23.9	672.0	740.0
3x16	20.1	461.0	1100.0
5x16	24.7	768.0	1413.0

\* 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