


## 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

# HSLCH-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>Ayırıcı</b> Separator	: Polyester bant : Polyester tape
<b>Ekran</b> Screen	: Kalaylı bakır örgü ekran : Tinned copper braid screen
<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> )	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)
2x0.5	5.7	35.0	45.0
3G0.5	5.9	42.0	55.0
4G0.5	6.4	47.0	61.0
5G0.5	6.9	56.0	74.0
6G0.5	7.6	67.0	89.0
7G0.5	7.6	69.0	98.0
8G0.5	8.7	80.0	117.0
10G0.5	9.6	94.0	135.0
12G0.5	9.7	108.0	157.0

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)
14G0.5	10.2	116.0	190.0
16G0.5	11.0	129.0	210.0
18G0.5	11.5	145.0	217.0
20G0.5	12.2	172.0	240.0
21G0.5	12.7	188.0	250.0
24G0.5	13.5	235.0	300.0
25G0.5	13.6	240.0	314.0
30G0.5	14.4	295.0	360.0
32G0.5	14.9	301.0	425.0

## HSLCH-JZ 750

450/750V



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Core Numbers Conductor Section (mm <sup>2</sup> )	O.D approx (mm)	Copper Factor (kg/km)	Cable Weight approx (kg/km)
34G0.5	15.6	312.0	433.0
36G0.5	15.6	318.0	446.0
40G0.5	16.9	343.0	475.0
2X0.75	6.1	40.0	59.0
3G0.75	6.3	52.0	66.0
4G0.75	6.8	60.0	77.0
5G0.75	7.4	71.0	93.0
6G0.75	8.2	80.0	113.0
7G0.75	8.2	91.0	130.0
8G0.75	9.6	110.0	145.0
10G0.75	10.3	137.0	180.0
12G0.75	10.5	142.0	202.0
14G0.75	11.3	180.0	225.0
16G0.75	11.9	200.0	275.0
18G0.75	12.7	212.0	292.0
19G0.75	127	230.0	308.0
20G0.75	13.3	238.0	320.0
21G0.75	14.0	246.0	378.0
24G0.75	14.9	270.0	435.0
25G0.75	15.0	281.0	415.0
30G0.75	15.8	320.0	450.0
32G0.75	16.7	342.0	484.0
34G0.75	17.2	345.0	502.0
36G0.75	17.2	350.0	535.0
37G0.75	17.2	361.0	592.0
40G0.75	18.6	369.0	610.0
50G0.75	20.3	461.0	777.0
2x1	6.4	50.0	65.0
3G1	6.7	60.0	80.0
4G1	7.2	71.0	98.0
5G1	8.0	88.0	127.0
6G1	8.7	97.0	144.0
7G1	8.7	111.0	158.0
8G1	10.1	127.0	197.0
10G1	11.2	150.0	232.0
12G1	11.4	184.0	260.0
14G1	12.0	196.0	302.0
16G1	12.8	209.0	346.0
18G1	13.5	260.0	380.0
19G1	13.5	280.0	412.0
20G1	14.3	317.0	440.0
24G1	16.0	320.0	493.0
25G1	16.2	349.0	534.0
27G1	16.2	400.0	562.0
28G1	17.0	480.0	595.0
30G1	17.0	441.0	616.0
34G1	18.5	486.0	741.0
37G1	18.5	519.0	790.0
40G1	19.9	510.0	835.0
50G1	21.8	625.0	1025.0
2x1.5	7.0	63.0	88.0
3G1.5	7.5	80.0	100.0

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)
4G1.5	8.1	97.0	126.0
5G1.5	11.4	170.0	160.0
7G1.5	12.6	193.0	208.0
8G1.5	12.8	267.0	244.0
10G1.5	12.6	193.0	315.0
12G1.5	12.8	267.0	338.0
14G1.5	13.5	283.0	383.0
16G1.5	14.4	315.0	424.0
18G1.5	15.4	374.0	479.0
19G1.5	15.4	396.0	508.0
20G1.5	61.1	396.0	545.0
21G1.5	17.0	425.0	560.0
24G1.5	18.2	458.0	690.0
25G1.5	18.4	526.0	705.0
27G1.5	18.4	531.0	774.0
28G1.5	19.1	541.0	810.0
30G1.5	19.1	555.0	830.0
35G1.5	20.8	645.0	890.0
37G1.5	20.8	674.0	945.0
40G1.5	22.6	725.0	1060.0
50G1.5	24.7	885.0	1290.0
2x2.5	9.0	144.0	130.0
3G2.5	9.8	148.0	167.0
4G2.5	9.8	174.0	195.0
5G2.5	10.9	181.0	223.0
7G2.5	11.9	255.0	344.0
10G2.5	15.5	340	460.0
12G2.5	15.8	441.0	570.0
18G2.5	18.9	570.0	681.0
2x4	9.8	120.0	185.0
3G4	10.6	174.0	240.0
4G4	11.5	230.0	310.0
5G4	12.7	273.0	385.0
7G4	14.0	316.0	500.0
2x6	11.7	173.0	268.0
3G6	12.5	240.0	330.0
4G6	13.8	305.0	415.0
5G6	15.3	439.0	509.0
7G6	16.9	505.0	672.0
2x10	14.7	255.0	425.0
3G10	15.7	350.0	500.0
4G10	17.3	535.0	783.0
5G10	19.2	592	856.0
7G10	21.4	810.0	1305.0
4G16	20.4	740.0	880.0
5G16	22.6	895.0	1295.0
4G25	24.9	1140.0	1570.0
5G25	27.8	1380.0	1965.0
4G35	28.4	1576.0	2070.0
5G35	31.6	1930.0	2690.0
4G50	34.6	2155.0	3015.0