



LIH(St)CH

Kullanım Alanları

HFFR izole ve kılıflı kablolar, elektrik ve elektronik cihazlar arasında bilgi alışverişini sağlamak için kullanılan düşük duman yoğunluklu ve halogen gazı içermeyen yalıtım ve kılıflı kablolardır. Ekranlı olan bu kablolar otellerde, fabrikalarda, alışveriş merkezlerinden apartmanlara kadar her alanda kullanılmaktadır.

Talep edildiği takdirde numara kodlu olarak aşağıda belirtilen tipler üretilir.

LIH(St)CH-OZ: Damarlar Siyah/Beyaz numara kodlu

LIH(St)CH-JZ: Toprak koruma damarlı (Sarı/Yeşil), damarlar Siyah/Beyaz numara kodlu

Kablo Yapısı

İç İletken

Elektrolitik Bükülü Bakır Tel
Sınıf 5 IEC 60228, DIN VDE EN 0295

İzolasyon

HFFR, DIN 47100 İzole renk uygulamasına uygun
EN 50290-2-26

Büküm

Grup halinde bükülü damarlar

Polyester

Pet Bant

Folyo

Al-Pet Bant

Örgü

Kalaylı Bakır Tellerden Örgü

Dış Kılıf

HFFR*, RAL 7001 Gri
EN 50290-2-27

Teknik Özellikler

Çalışma Sıcaklığı

-30°C ... + 70°C

Min. Bük. Yarı Çapı

15 x Kablo Çapı

İzolasyon Direnci

200 MΩ km

Çalışma Gerilimi

0.22 mm² - 0.34 mm² 250 V

≥ 0.50 mm² 300/500 V

Test Gerilimi

0.22 mm² - 0.34 mm² 1200 V

≥ 0.50 mm² 2000 V

Ambalaj

500 / 1000 m

Standartlar

TS EN 13755, DIN VDE 0812

CPR Sınıfı

D_{ca}

Alev Geciktiricilik

EN 60332-1-2

Korozif Gaz Testi

TS EN 60754-2

Duman Yoğunluğu

EN 61034-2

EMC

Elektromanyetik uyumlu

Application

These cables are used for connections in the electronic control technology, signal and data transmission cables for voice frequency transmissions. Thanks to the HFFR material that is used in these cables, they are flame retardant, moreover they do not extract poisonous gases and black smoke when they are in fire. These cables are used in the hotels, factories, shopping centers, and apartments.

If there is a request from this cables as number coded, it can be able to produce the following types.

LIH(St)CH-OZ: Cores number coded and Black/White color

LIH(St)CH-JZ: Green/Yellow earthing core, cores number coded and Black/White color

Cable Construction

Inner Conductor

Stranded Electrolytic Bare Copper
Class 5 IEC 60228, DIN VDE 0295

Insulation

HFFR, DIN 47100 Suitable for isolated color
EN 50290-2-26

Stranding

Twisted in group

Polyester

Pet Band

Foil

Al-Pet Band

Screen

Tinned Copper Braid Wire

Outer Sheath

HFFR*, RAL 7001 Grey
EN 50290-2-27

Technical Properties

Operating Temperature

-30°C ... + 70°C

Min. Bending Radius

15 x Cable Diameter

Insulation Resistance

200 MΩ km

Operating Voltage

0.22 mm² - 0.34 mm² 250 V

≥ 0.50 mm² 300/500 V

Test Voltage

0.22 mm² - 0.34 mm² 1200 V

≥ 0.50 mm² 2000 V

Packing

500 / 1000 m

Standards

TS EN 13755, DIN VDE 0812

Euro Class

D_{ca}

Flame Retardancy

EN 60332-1-2

Corrosive Gases Test

TS EN 60754-2

Smoke Density

EN 61034-2

EMC

Electromagnetic compatible

	İletken Çapı Cross Section (mm ²)	İletken Direnci Conductor Resistance (Ohm/km @ 20 °C)
	0.22	96.00
	0.34	56.00
	0.50	39.00
	0.75	26.00
	1.00	19.50
	1.50	13.30
	2.50	7.98

Damar Sayısı x Kesit No. Of Cores x Cross Section (mm ²)	Kablo Çapı Overall Diameter (mm)	Bakır Ağırlığı Copper Weight (kg/km)	Kablo Ağırlığı Cable Weight (kg/km)
2 x 0.22	4.2	12.0	24
3 x 0.22	4.4	16.0	30
4 x 0.22	4.7	19.0	34
5 x 0.22	5.1	22.0	40
6 x 0.22	5.4	24.5	46
7 x 0.22	5.4	27.5	48
8 x 0.22	6.0	30.5	56
9 x 0.22	6.4	33.0	60
10 x 0.22	6.6	36.5	63
12 x 0.22	6.8	41.0	72
14 x 0.22	7.1	48.5	80
16 x 0.22	7.5	52.5	87
18 x 0.22	8.1	56.5	103
20 x 0.22	8.5	61.0	115
25 x 0.22	9.4	73.5	142
2 x 0.34	4.9	18.8	32
3 x 0.34	5.2	24.0	41
4 x 0.34	5.6	27.4	49
5 x 0.34	6.0	32.7	57
6 x 0.34	6.5	36.1	62
7 x 0.34	6.5	39.4	70
8 x 0.34	7.5	46.0	87
9 x 0.34	7.9	53.0	92
10 x 0.34	8.3	61.4	104
12 x 0.34	8.6	68.2	116
14 x 0.34	9.0	75.1	128
16 x 0.34	9.6	82.1	144
18 x 0.34	10.1	93.1	162
20 x 0.34	10.5	98.5	170
25 x 0.34	11.7	118.3	209
2 x 0.50	5.2	25.5	41
3 x 0.50	5.5	30.5	49
4 x 0.50	5.9	35.5	58
5 x 0.50	6.4	42.4	67
6 x 0.50	6.9	47.5	77
7 x 0.50	6.9	52.3	84
8 x 0.50	7.7	57.0	92
9 x 0.50	8.5	67.5	108
10 x 0.50	8.9	79.5	124
12 x 0.50	9.2	89.5	140
14 x 0.50	9.6	99.6	161
16 x 0.50	10.1	113.9	182
18 x 0.50	10.6	124.4	199
20 x 0.50	11.5	139.5	212
25 x 0.50	12.6	174.2	278

Damar Sayısı x Kesit No. Of Cores x Cross Section (mm ²)	Kablo Çapı Overall Diameter (mm)	Bakır Ağırlığı Copper Weight (kg/km)	Kablo Ağırlığı Cable Weight (kg/km)
2 x 0.75	5.6	33.0	51
3 x 0.75	6.0	42.3	64
4 x 0.75	6.5	49.8	77
5 x 0.75	7.3	64.7	96
6 x 0.75	7.9	72.5	108
7 x 0.75	7.9	79.7	119
8 x 0.75	8.8	85.0	131
9 x 0.75	9.4	98.0	140
10 x 0.75	10.1	111.5	170
12 x 0.75	10.4	126.5	192
14 x 0.75	10.9	141.7	215
16 x 0.75	11.5	157.2	238
18 x 0.75	12.1	172.7	261
20 x 0.75	12.5	197.0	272
25 x 0.75	14.4	249.0	371
2 x 1.00	5.9	42.0	62
3 x 1.00	6.2	52.0	74
4 x 1.00	6.8	62.0	90
5 x 1.00	7.4	74.0	107
6 x 1.00	8.2	93.0	131
7 x 1.00	8.2	103.0	144
8 x 1.00	9.2	111.0	148
9 x 1.00	9.9	122.0	162
10 x 1.00	10.5	139.0	200
12 x 1.00	10.8	158.0	228
14 x 1.00	11.5	191.0	270
16 x 1.00	12.1	212.0	297
18 x 1.00	12.9	233.0	333
20 x 1.00	13.3	258.0	357
25 x 1.00	15.0	314.0	445
2 x 1.50	7.0	58.0	82
3 x 1.50	7.5	77.0	107
4 x 1.50	8.3	96.0	134
5 x 1.50	9.0	111.0	156
6 x 1.50	9.9	127.0	184
7 x 1.50	9.9	141.0	203
8 x 1.50	11.2	152.0	222
9 x 1.50	12.2	168.0	248
10 x 1.50	12.8	205.0	295
12 x 1.50	13.2	234.0	336
14 x 1.50	13.9	264.0	381
16 x 1.50	14.6	294.0	422
18 x 1.50	15.6	332.0	481
20 x 1.50	16.3	345.0	492
25 x 1.50	18.2	439.0	634