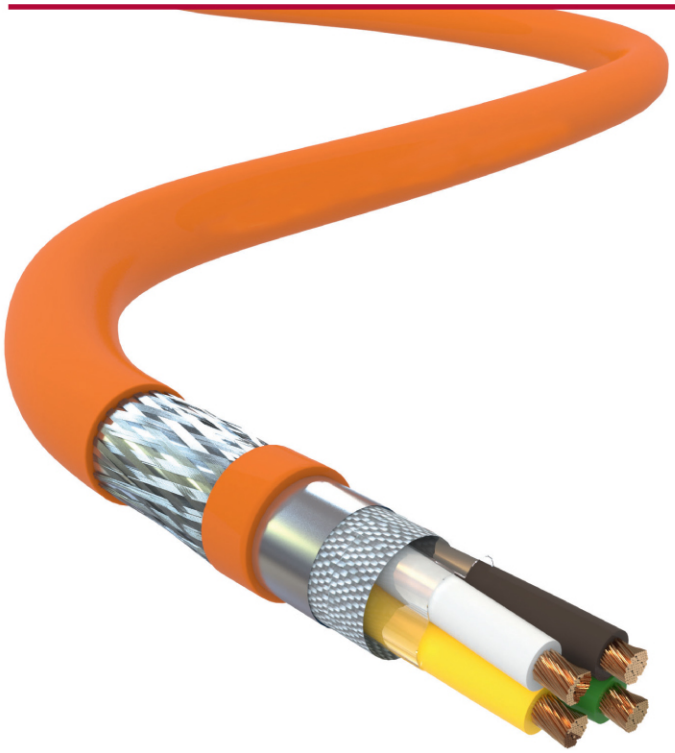

LIH(st)CH FE180 PH120

Yapı / Construction

İç İletken	: Elektrolitik Bükülü Bakır Sınıf 5 EN 60228, IEC 60228, VDE 0295
Yalıtkan	: Özel Silikon Kompaund, DIN 47100 Damar Rengi
Büküm	: Katlar Halinde Büküm
Ayırıcı Bant	: PES Bant ve Cam Elyaf Bant
1.Ekran	: AL-PES Bant
2.Ekran	: Kalaylı Bakır Tellerden Örgü
Dış Kılıf	: HFFR Kompaund EN 50290-2-27, RAL 2003 Turuncu
Inner Conductor	: Electrolytic Stranded Copper Wire Class 5 EN 60228, IEC 60228, VDE 0295
Insulation	: Special Silicone Compound, DIN 47100 Colour Code
Stranding	: Cores Twisted in Layers
Seperator	: PES Tape and Glass Fiber Tape
1.Screen	: Al-PES Tape
2.Screen	: Tinned Copper Wire Braiding
Outer Sheath	: HFFR Compound EN 50290-2-27, RAL 2003 Orange

Kullanıldığı Yerler / Applications

- Yangın anında işlevini devam ettiren bu kablolar, acil durum devrelerinde sinyal ve haberleşme kablosu olarak kullanılmaktadır. (Çok sayıda insanın bulunduğu metrolar, tüneller, alışveriş merkezleri, hastaneler, hava alanları, oteller, konutlar, endüstriyel tesisler vb. alanlarda kullanılırlar.)
Bu tip kablolar, halojensiz, alev geciktirici ve düşük duman yoğunluğuna sahiptirler.

- These cables are used in the emergency circuits as signal and communication cables, which continue functioning during an instance of fire. (They are used at places where a lot of people can be found such as subways, tunnels, shopping centers, hospitals, airports, hotels, residential buildings, industrial facilities etc.) This type of cables is halogen-free, has flame -retarder and low smoke density.

Teknik Bilgiler / Technical Data

Kapasite / Capacitance			120 nF/km		
Yalıtım Direnci / Insulation Resistance			≥200 M Ω x Km		
Kesit / Cross Section (mm²)	0,50	0,75	1,00	1,50	2,50
İletken Direnci / Conductor Resistance (Ω x Km)	39	26	19,50	13,30	7,98

Çalışma Sıcaklığı / Temperature Range	- 30ºC....+90ºC
Çalışma Gerilimi / Operating Voltage	300 V
Test Gerilimi Damar-Damar / Test Voltage Core-Core	1200 V
Min. Bükülme Çapı / Min. Bending Radius	7,5 x D mm

Yangın Performans Testleri / Fire Performance Tests

Alev Testi Flame Test	IEC 60332-1-2 EN 60332-1-2 VDE 0472-804-B
Alev Yayılımı Testi Flame Retardant Test	IEC 60332-3-24 EN 60332-3-24 VDE 0472-804-C
Duman Yoğunluğu Testi Smoke Density Test	IEC 61034-2 EN 61034-2 VDE 0472-813
Korozif Gaz Testi Test On Corrosiveness Of Combustion Gases	IEC 60754-2 EN 50267-2-2 VDE 0482-267-2-2

Halojensizlik Testi Halogen Free Test	IEC 60754-1 EN 50267-2-1 VDE 0482-267-2-1
Yalıtım Sürekliliği Testi (FE 180) Insulation Integrity Test (FE-180)	IEC 60331-23 VDE 472-814
Darbe Altında Yalıtım Sürekliliği Testi (PH) Circuit Integrity With Shock Test (PH)	EN 50200, VDE 0482-200

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Kod No Code No.	Damar Sayısı/Kesit Number Of Cores/Cross Section (mm2)	Kablo Çapı Overall Diam. (mm)	Bakır Ağırlığı (kg/km) Copper Weight (kg/km)	Yaklaşık Ağırlık (kg/km) Approx. Weight (kg/km)	Standart Uzunluk Standard Length (m)
33159402	2 x 0,50	5.60	14.63	36.93	100 / 500 / 1000
33159403	3 x 0,50	5.85	18.99	43.88	100 / 500 / 1000
33159404	4 x 0,50	6.50	24.14	56.13	100 / 500 / 1000
33159405	5 x 0,50	7.00	28.72	65.65	100 / 500 / 1000
33159406	6 x 0,50	7.50	34.11	75.68	100 / 500 / 1000
33159407	7 x 0,50	7.50	38.36	81.88	100 / 500 / 1000
33159408	8 x 0,50	8.25	43.78	94.00	100 / 500 / 1000
33159410	10 x 0,50	9.40	53.56	115.97	100 / 500 / 1000
33159502	2 x 0,75	6.10	19.81	45.14	100 / 500 / 1000
33159503	3 x 0,75	6.60	26.38	58.00	100 / 500 / 1000
33159504	4 x 0,75	7.10	33.26	70.00	100 / 500 / 1000
33159505	5 x 0,75	7.65	40.52	83.27	100 / 500 / 1000
33159506	6 x 0,75	8.25	47.88	96.84	100 / 500 / 1000
33159507	7 x 0,75	8.25	54.25	105.27	100 / 500 / 1000
33159508	8 x 0,75	9.35	61.95	126.12	100 / 500 / 1000
33159510	10 x 0,75	10.40	76.20	149.25	100 / 500 / 1000
33159602	2 x 1,00	6.50	24.19	53.22	100 / 500 / 1000
33159603	3 x 1,00	6.80	32.92	65.35	100 / 500 / 1000
33159604	4 x 1,00	7.35	42.37	80.10	100 / 500 / 1000
33159605	5 x 1,00	7.95	51.21	95.12	100 / 500 / 1000
33159606	6 x 1,00	8.55	60.83	110.96	100 / 500 / 1000
33159607	7 x 1,00	8.55	69.32	121.53	100 / 500 / 1000
33159608	8 x 1,00	9.65	79.11	144.63	100 / 500 / 1000
33159610	10 x 1,00	10.80	97.74	172.58	100 / 500 / 1000
33159702	2 x 1,50	7.40	33.27	70.37	100 / 500 / 1000
33159703	3 x 1,50	7.80	45.84	87.00	100 / 500 / 1000
33159704	4 x 1,50	8.45	59.47	108.00	100 / 500 / 1000
33159705	5 x 1,50	9.35	73.03	134.21	100 / 500 / 1000
33159706	6 x 1,50	10.10	86.53	156.50	100 / 500 / 1000
33159707	7 x 1,50	10.10	98.94	177.66	100 / 500 / 1000
33159708	8 x 1,50	11.25	112.45	198.83	100 / 500 / 1000
33159710	10 x 1,50	12.80	138.93	244.00	100 / 500 / 1000
33159802	2 x 2,50	8.30	51.10	93.99	100 / 500 / 1000
33159803	3 x 2,50	8.75	71.95	120.14	100 / 500 / 1000
33159804	4 x 2,50	9.70	93.89	156.22	100 / 500 / 1000
33159805	5 x 2,50	10.55	116.15	188.87	100 / 500 / 1000
33159806	6 x 2,50	11.45	137.33	222.83	100 / 500 / 1000
33159807	7 x 2,50	11.45	158.95	246.64	100 / 500 / 1000
33159808	8 x 2,50	12.95	181.53	292.00	100 / 500 / 1000
33159810	10 x 2,50	14.60	225.00	350.52	100 / 500 / 1000