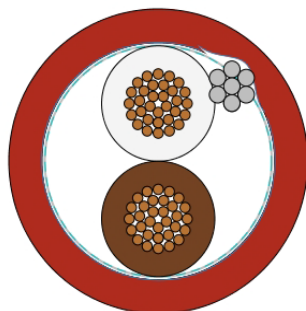


Firefit LIH(ST)H-FE180-PH90 1x2x1 red IEC 60331-2/EN 50200 - (881110100)



Used in signal transmission of control systems for many applications in buildings. These cables are operated with different voltage grades (300/500V or 0.6/1kV) and constructed with different cross-sectional areas. Depending on the applications need, PVC, HFFR or TPU outer sheathed, bare or tinned copper, screened or unscreened types are available. HFFR versions are less flammable in case of fire, mostly self extinguishing, have low smoke density and they do not emit poisonous and corrosive gasses during fire. Fire resistant types are used in internal and external places such as schools, hospitals, meeting rooms and shopping centers where safety regulations must be taken into consideration against fire.

Constructional Properties

Conductor:	IEC 60228/ DIN EN 60228/ EN 60228/ Class 5 Stranded Electrolytic Copper
Insulation:	Cross-Linked Polymer Compound- Silicone Rubber
Core Identification:	DIN 47100- White-Brown
Lay-up:	Cores stranded in layers
Separator:	PET Foil
Overall Screen:	AL/PET Foil + Stranded Tinned Copper Drain Wire 7 x 0.3 mm
Sheath:	EN 50290-2-27- Halogen Free Flame Retardant Compound (HFFR/LSZH/LSOH/FRNC)
Cable Color:	RAL3000-Red
Standard:	Based on VDE 0812

Technical Properties (20°C)

Operating Voltage :	300/500 V
Test Voltage:	2000 V
Temperature Range :	-40°C ~+70°C (Fixed Laying)
Flame Retardant Test :	IEC 60332-1-2, DIN EN 60332-1-2, BS EN 60332-1-2, EN 60332-1-2
Flame Propagation Test :	IEC 60332-3-24, DIN EN 60332-3-24, BS EN 60332-3-24, EN 60332-3-24
Smoke Density Test:	IEC 61034-2, VDE 0482-1034-2, EN 61034-2
Corrosive Gas Test :	IEC 60754-2, VDE 0482-754-1-2, EN 60754-2
Halogen Free Test :	IEC 60754-1, VDE 0482-754-2, EN 60754-2
Circuit Integrity Test (FE 180) :	IEC 60331-23
Circuit Integrity With Shock Test (PH90):	EN 50200, VDE 0482-200, BS EN 50200
Min. Bending Radius	7,5 x Cable Diameter

Marking

kabeltec Firefit LIH(ST)H-FE180-PH90 1x2x1 red IEC 60331-2/EN 50200 [meter mark]

Core Identification

Core No	Core Colour A
1	Brown
2	White

Configuration [mm2]	Cable Diameter (±% 10) [mm]	Max. Conductor Resistance [Ohm/km]	Cable Weight (Approx.) [Approx][kg/km]
2 x 1.00	5.60	19.50	49.43