

LIH(St)H

FE180/PH120 Orange, Fire Resistant, Halogen-free



Technical data

- Conductor: IEC 60228/ DIN EN 60228/ EN 60228 Class 5 Stranded Electrolytic Plain Copper
- Insulation: Cross Linked Special Polymer Compound
- Insulation Color: DIN 47100
- Overall Wrapping: PES Tape
- Flame Barrier: Glass Fiber Tape
- Overall Screen: Tinned Copper Drain Wire (7x0,30mm) + Al-PES Tape
- Sheath: EN 50290-2-27 HFFR Compound
- Sheath Color: RAL 2003 Orange
- Min. Bending Radius: 7,5 x D
- 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 (FE180): IEC 60331-23
- Circuit Integrity with Shock Test (PH120): EN 50200, VDE 0482-200, BS EN 50200

Cable Marking: HELUKABEL PT LIH(St)H FE180/PH120 ... DIN 47100 + CE ... mt

Application

Fire resistant, halogen-free, static screened installation cables for telecommunication purpose. The static screen prevents strong interference impulse. Suitable for fixed installation everywhere, where in case of fire human life and material assets are to be protected and a safety consciousness take a special significance, e. g. in industrial complexes, public buildings, hotels, airports, underground railway networks, hospitals.

CE = The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Part Number	Cross Section (mm ²)	Overall Diameter (mm)	Conductor Resistance (Ω/Km)	Insulation Resistance (MΩxkm)	Mutual Capacity (nF/km)	Current Load (A)	Approx. Weight (kg/km)
18042033	2x0,75	5,4±1,0	26,0	20	120	13	44
18042034	2x1,5	6,8±1,0	13,3			20	65



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