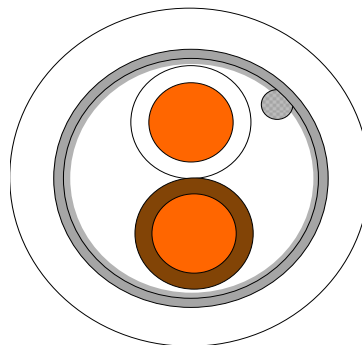


FIRE RESISTANT HALOGEN FREE CABLES (VDE 0812) **FIREFIT LIH(St)H-TP FE 180 PH 90 (CLASS 1)**

APPLICATION

In covered places where people are densely found

- Instrumentation and control engineering
- Industrial electronics
- For signal transmission
- Intercommunication systems in buildings
- In safety and fire alarm systems
- In places where human life and valuable materials and equipment need to be protected



Approvals

EN50200 / IEC60331-2, IEC60332-1, IEC60332-3, IEC60754-2, IEC61034, IEC60331, CE, RoHS

TECHNICAL CHARACTERISTICS

- | | |
|---------------------------|---|
| 1 - Conductors | : IEC 60228/ DIN VDE 0295/ EN 60228/ Class 1 Electrolytic Bare Copper : Cross-Linked Ceramic Forming Polymer Compound |
| 2 - Insulation | |
| 3 - Colour Code | : DIN 47100 |
| 4 - Stranding | : Pairwise |
| 5 - Wrapping | : PES Tape (23μ) |
| 6 - Wrapping | : Tinned Copper Drain Wire (0,80mm) + Al-PES Tape (23μ) |
| 7 - Sheath | : EN 50290-2-27 HFFR Compound |
| 8 - Sheath Colour | : RAL 9003 White |
| 9 - Bending Radius | : 7,5xCable Φ |
| 10 - Operating Voltage | : 300/500V |
| 11 - Test Voltage | : 2000V |
| 12 - Temperature Range | : -40°C ~+70°C |
| 13 - Flame Reterdant Test | : IEC 60332-1-2, VDE 0482-332-1-2, EN 60332-1-2 |
| 14 - Flame Propagation | : IEC 60332-3-24, VDE 0482-332-3-24, EN 60332-3-24 |
| 15 - Smoke Density | : IEC 61034-2, VDE 0482-1034-2, EN 61034-2 |
| 16 - Corrosive Gas Test | : IEC 60754-2, VDE 0482-267-2-3, EN 50267-2-3 |
| 17 - Halogen Free Test | : IEC 60754-1, VDE 0482-267-2-1, EN 50267-2-1 |
| 18 - Printing/Marking | : FIREFIT LIH(St)H-TP FE180/PH90 EN50200 IEC60331-2 optional: meter/production year |

Cross Section	Outer Diameter (mm)	Conductor Resistance (Ω/Km)	Current Load (A)	Mutual Capacitance (nF/km)	Insulation Resistance (MΩxKm)	Approx. Weight (kg/km)
1x2x0,8	4,60±1,0	36,0	6	120	20	33
1x2x1	5,40±1,0	18,1	16			47