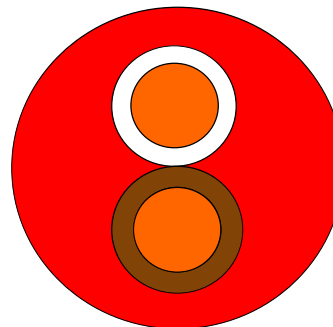




FIRE RESISTANT HALOGEN FREE CABLES
FIREFIT LIHH-TP FE180/PH 90
(VDE 0812)

APPLICATION

- In covered places where people are densely found
- Instrumentation and control engineering
 - 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



Flame Retardant Characteristic/ Low Smoke Emission/ Without Poisoned And Corrosive Gases
Circuit integrity for minimum 180 minutes (FE180)/ Insulation Integrity with Mechanical Shock (PH 90)

TECHNICAL CHARACTERISTICS

- | | |
|---|--|
| 1 - Conductor | : IEC 60228/ DIN EN 60228/ EN 60228/ Class 1 Electrolytic Solid Copper |
| 2 - Insulation | : Cross-Linked Polymer Compound |
| 3 - Insulation Colour | : DIN 47100 |
| 4 - Stranding | : Pairwise |
| 8 - Sheath | : EN 50290-2-27 HFFR Compound |
| 9 - Sheath Colour | : RAL 3000 Red |
| 10 - Min.Bending Radius | : 7,5 x D |
| 11 - Operating Voltage | : 300/500 V |
| 12 - Test Voltage | : 2000 V |
| 13 - Temperature Range | : -40°C ~+70°C (Fixed Laying) |
| 14 - Flame Retardant Test | : IEC 60332-1-2, DIN EN 60332-1-2, BS EN 60332-1-2 |
| 15 - Flame Propagation Test | : IEC 60332-3-24, DIN EN 60332-3-24, BS EN 60332-3-24, EN 60332-3-24 |
| 16 - Smoke Density Test | : IEC 61034-2, VDE 0482-1034-2, EN 61034-2 |
| 17 - Corrosive Gas Test | : IEC 60754-2, VDE 0482-754-1-2, EN 60754-2 |
| 18 - Halogen Free Test | : IEC 60754-1, VDE 0482-754-2, EN 60754-2 |
| 19 - Circuit Integrity Test (FE180) | : IEC 60331-23 |
| 20 - Circuit Integrity With Shock (PH 90) | : EN 50200, VDE 0482-200, BS EN 50200 |
| 21 - Cable Marking | : FIREFIT LIHH-TP FE180/PH90 1x2x1,5 mm ² IEC 60331-21(ABA) CCCCC mt YYYY |

Cross-Section (mm ²)	Overall Diameter (mm)	Conductor Resistance (Ω/Km)	Insulation Resistance (MΩxKm)	Current Load (A)	Approx. Weight (kg/km)	
1x2x1,5	5,8±1,0	12,1	100	20	65	