

FIREFIT

FIRE RESISTANT HALOGEN FREE CABLES (VDE 0812)
LIHH FE 180 PH 90

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

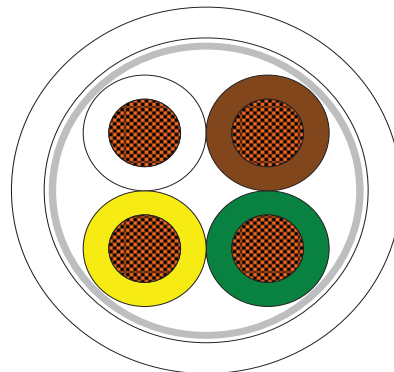
Flame Retardant Characteristic

Low Smoke Emission

Without Poisoned And Corrosive Gases

Insulation Integrity For minimum 180 minutes (FE 180)

Insulation Integrity with Mechanical Shock (PH 90)



TECHNICAL CHARACTERISTICS

- | | |
|---|--|
| 1 - Conductors | : IEC 60228, DIN VDE 0295, EN 60228 CLASS 5 ELECTROLYTIC STRANDED COPPER |
| 2 - Insulation | : CROSS-LINKED CERAMIC FORMING POLYMER COMPOUND |
| 3 - Colour Code | : DIN 47100 |
| 4 - Stranding | : IN LAYERS OF OPTIMUM PITCH |
| 5 - Wrapping | : PES TAPE |
| 6 - Sheath | : EN 50290-2-27 HFFR COMPOUND |
| 7 - Sheath Colour | : RAL 9003 WHITE |
| 8 - Bending Radius | : 7,5xCABLE Ø |
| 9 - Operating Voltage | : 300 V |
| 10 - Test Voltage | : 2000 V |
| 11 - Temperature Range | : -40°C ~+70°C |
| 12 - Flame Reterdant Test | : IEC 60332-1-2, VDE 0482-332-1-2, EN 60332-1-2 |
| 13 - Flame Propagation | : IEC 60332-3-24, VDE 0482-332-3-24, EN 60332-3-24 |
| 14 - Smoke Density | : IEC 61034-2, VDE 0482-1034-2, EN 61034-2 |
| 15 - Corrosive Gas Test | : IEC 60754-2, VDE 0482-267-2-3, EN 50267-2-3 |
| 16 - Halogen Free Test | : IEC 60754-1, VDE 0482-267-2-1, EN 50267-2-1 |
| 17 - Circuit Integrity (FE 180) | : IEC 60331-23 |
| 18 - Circuit Integrity With Shock (PH 90) | : EN 50200, VDE 0482-200, BS EN 50200 |

CROSS SECTION	OUTER DIAMETER [mm]	APPROX WEIGHT [kg/km]	CONDUCTOR RESISTANCE [Ω /Km]	MUTUAL CAPACITANCE [nF/km]	INSULATION RESISTANCE [$M\Omega \times Km$]
2X0,75	5,5	38.5	26	120	20
3X0,75	5,8	50			
4X0,75	6,2	62			
6X0,75	7,7	94			
4X1,5	7,4	96	13.3		