

# PART NO. 531010FS

LIH(St)H FE180 PH120 Fire Resistant Cable, 10 x 1 mm²

## Detailed Specifications & Technical Data

### CROSS SECTION



1 Conductor
2 Insulation
3 Stranding
4 Wrapping
5 Screen
6 Outer Jacket

### CABLE CONSTRUCTION

| | |
|---|---|
| Conductor | : Stranded electrolytic copper conductor (Class 5) (IEC 60228, EN 60228, DIN VDE 0295) |
| Insulation | : Cross-linked polymer compound in ceramic form (DIN 47100) |
| Stranding | : In layers |
| Wrapping | : Polyester tape, glass yarn tape |
| Screen | : Tinned copper earthing wire, Al/PET tape |
| Outer Jacket | : UV resistant halogen-free outer jacket. RAL 2008 (Orange) |

### TECHNICAL DATA

| | |
|---|---|
| Conductor Diameter | : 1.00 mm² |
| Conductor Resistance Ω/km (20 °C) | : 19.5 |
| Insulation Resistance (@500V DC) MΩ/km | : 100 |
| Mutual Capacitance nF/km | : 100 |
| Operating Voltage V DC | : 300 |
| Test Voltage (@ 1 minute) V DC | : 2000 |

### STANDARDS

| | |
|---|---|
| Circuit Integrity Test (FE180) | : IEC 60331-21 |
| Circuit Integrity with Shock Test (PH120) | : EN 50200, VDE 0482-200, BS EN 50200 |

### MECHANICAL CHARACTERISTICS

| | |
|---|---|
| Bending Radius | : 10xD mm |
| Temperature Range Operating | : -40°C ~ +70°C |

### CABLE TYPE DATA

| CAMCOM Part No. | ConductorCount | Conductor Diameter (mm²) | Approx. Cable Diameter(mm) | Copper Weight(kg/km) | Approx. Weight (kg/km) | Packing Lengths (m) |
|---|---|---|---|---|---|---|
| 531010FS | 10 | 1 | 11.6 | 87 | 182 | 100/500/1000 |

### PRODUCT VIEW




**Camcom** is proud to be certified by

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Disclaimer :- Datasheet is subject to modification without prior notication

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