


# PART NO. 536005BS

LIHCH FE180 PH120 Fire Resistant Cable, 5 x 6 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 braiding |
| Outer Jacket | : UV resistant halogen-free outer jacket. RAL 2008 (Orange) |

### MECHANICAL CHARACTERISTICS

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

### STANDARDS

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

### TECHNICAL DATA

| Conductor Diameter | Conductor Resistance Ω/km (20 °C) | Insulation Resistance (@500V DC) MΩ/km | Mutual Capacitance nF/km | Operating Voltage V DC | Test Voltage (@ 1 minute) V DC |
|---|---|---|---|---|---|
| 0.50 mm² | 39.0 | 100 | 100 | 300 | 2000 |
| 0.75 mm² | 26.0 | 100 | 100 | 300 | 2000 |
| 1.00 mm² | 19.5 | 100 | 100 | 300 | 2000 |
| 1.50 mm² | 13.3 | 100 | 100 | 300 | 2000 |
| 2.50 mm² | 8.0 | 100 | 100 | 300 | 2000 |

### 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) |
|---|---|---|---|---|---|---|
| 536005BS | 5 | 6 | 14.5 | 285.6 | 419 | 100/500/1000 |

### PRODUCT VIEW




**Camcom** is proud to be certified by

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Disclamer :- Datasheet is subject to modification without prior notication

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