

# PART NO. 531050ISX

RE-2X(St)H-PiMF&TiMF FE180 Fire Resistant Cable, 1.00 mm²

## Detailed Specifications & Technical Data

### CROSS SECTION



1 Conductor
2 Wrapping
3 Insulation
4 Individual Stranding
5 Individual Wrapping
6 Individual Screen
7 Overall Stranding
8 Overall Wrapping

### CABLE CONSTRUCTION

| | |
|---|---|
| Conductor | : Stranded electrolytic copper conductor (Class 2) (IEC 60228, EN 60228, DIN VDE 0295) |
| Wrapping | : Each conductor wrapped with mica tape |
| Insulation | : XLPE (BS EN 50290-2, VDE 0207 YI1) |
| Individual Stranding | : Insulations are stranding into pairs or triads |
| Individual Wrapping | : Polyester tape |
| Individual Screen | : Tinned copper earthing wire, Al/PET tape |
| Overall Stranding | : Screened pairs or triads are stranding into layers |
| Overall Wrapping | : Polyester tape |
| Overall Screen | : Tinned copper earthing wire, Al/PET tape |
| Outer Jacket | : UV resistant halogen-free outer jacket. |

### TECHNICAL DATA

| | |
|---|---|
| Conductor Diameter | : 1.00 mm² |
| Conductor Resistance Ω/km (20 °C) | : 18.1 |
| Insulation Resistance (@500V DC) MΩ/km | : Min. 1000 |
| Mutual Capacitance nF/km | : Max. 250 |
| Operating Voltage V DC | : 300 |
| Test Voltage (@ 1 minute) V DC | : 2000 |

### STANDARDS

| | |
|---|---|
| Smoke Density Test | : IEC 61034-2, VDE 0482-1034-2, BS EN 61034-2 |
| Corrosive Gas Test | : IEC 60754-2, VDE 0482-267-2-3, BS EN 50267-2-3 |
| Halogen-free Test | : IEC 60754-1, VDE 0482-267-2-1, BS EN 50267-2-1 |
| Flame Propagation Test | : IEC 60332-3-24, VDE 0482-332-3-24, EN 60332-2-24 |
| Flame Retardancy Test | : IEC 60332-1-2, VDE 0482-332-1-2, BS EN 60332-1-2 |
| Fire Resistance Test (FE180) | : IEC 60331-21 |

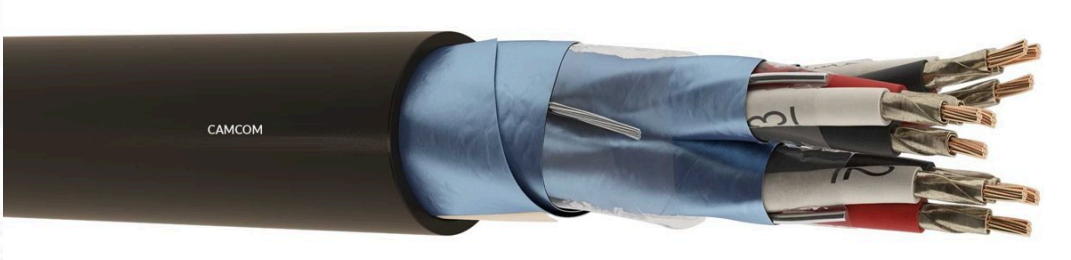
### MECHANICAL CHARACTERISTICS

| | |
|---|---|
| Bending Radius | : 10xD mm |
| Temperature Range Operating | : -30°C ~ +90°C |

### CABLE TYPE DATA

| CAMCOM Part No. | Conductor Size / Type |
|---|---|
| 531050ISX | 1.00 mm² |

### PRODUCT VIEW

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Disclamer :- Datasheet is subject to modification without prior notication

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