

# PART NO. 431352FSE

RE-2Y(St)H-TP/TT Instrumentation Cable, 2 x 2 x 1.3 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 2) (IEC 60228, EN 60228, DIN VDE 0295) |
| Insulation | : Polyethylene (BS EN 50290-2, VDE 0207 YI1), Black, White, Red; Number coded (BS 5308-2) |
| Stranding | : Insulations stranding into pairs or triads |
| Wrapping | : Polyester tape |
| Screen | : Tinned copper earthing wire, Al/PET tape |
| Outer Jacket | : UV resistant halogen-free outer jacket. RAL 9005 (Black) |

### MECHANICAL CHARACTERISTICS

| | |
|---|---|
| Bending Radius | : 7.5xD mm |
| Temperature Range Operating | : -30°C ~ +70°C |

### STANDARDS

| | |
|---|---|
| Manufacturing Reference | : EN 50288-7 or IEC 60502-1 |
| 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 |

### 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 | 36.0 | 5000 | 160 | 300/500 | 2000 |
| 0.75 mm² | 24.5 | 5000 | 160 | 300/500 | 2000 |
| 1.00 mm² | 18.1 | 5000 | 170 | 300/500 | 2000 |
| 1.50 mm² | 12.1 | 5000 | 170 | 300/500 | 2000 |
| 2.50 mm² | 7.41 | 5000 | 170 | 300/500 | 2000 |

### CABLE TYPE DATA

| CAMCOM Part No. | Pair Count | Conductor Cross-section (mm²) | Approx. Cable Diameter (mm) | Copper Weight (kg/km) | Approx. Weight (kg/km) | Packing Lengths (m) |
|---|---|---|---|---|---|---|
| 431352FSE | 2 | 1.3 | 10.0 | 55 | 119 | 100/500/1000 |

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Disclamer :- Datasheet is subject to modification without prior notication

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