

Audio Control & Instrumentation Cable Overall Screen, HFFR Sheath

2 – 3 – 4 – 6 or 8 x 22AWG (7 x 30)



Selsor Part Numbers – J2102, J2112, J2122, J2142, J2162

Applications

Screened Multi-Conductor cables suitable for Audio, Control, Instrumentation and Building Management Systems (BMS)

Standards

(BS) EN 50290-2, IEC 60754-1 & 2, IEC 61034, IEC 60332-3C & RoHS directives

Warranty

25 year installed Selsor system warranty on application.

Technical Overview

| | | |
|---|---|---|
| Family Audio, Control & Instrumentation | 2. Insulation Polyolefin Core 1: Black Core 2: Red Core 3: White Core 4: Green Core 5: Brown Core 6: Blue Core 7: Orange Core 8: Yellow | 4. Drain Wire 24 AWG (7 x 32) Tinned Copper |
| Operating Temperature -25°C to +75 °C | 3. Screen Aluminium/Polyester 100% Coverage | 5. Ripcord Yes |
| Design 1. Conductor N x Bare Copper wire, 22AWG flexible | | 6. Sheath Material Low smoke, Zero Halogen (LSZH) |
| | | 7. Sheath Colour Purple as standard |
| | | 8. Standard Put Up Length (m) 250 metres |

Physical Characteristics

| Sensor Part Number | No. of Cores | Nom. Diameter Conductor (mm) | Nom. Radial Thickness Insulation (mm) | Nom. Radial Thickness Sheath (mm) | Nom. Overall Diameter (mm) | Nominal Cable Weight (kg/km) | Max. Pulling Tension (Newton) | Min. Installed Bend Radius (mm) |
|--------------------|--------------|------------------------------|---------------------------------------|-----------------------------------|----------------------------|------------------------------|-------------------------------|---------------------------------|
| J2102 | 2 | 0.75 | 0.25 | 0.7 | 3.9 | 20.5 | 50 | 39 |
| J2112 | 3 | 0.75 | 0.25 | 0.7 | 4.1 | 25.2 | 75 | 41 |
| J2122 | 4 | 0.75 | 0.25 | 0.7 | 4.4 | 29.9 | 100 | 44 |
| J2142 | 6 | 0.75 | 0.25 | 0.7 | 5.2 | 41 | 150 | 52 |
| J2162 | 8 | 0.75 | 0.25 | 0.7 | 5.6 | 50.6 | 200 | 56 |

Electrical Characteristics

| Sensor Part Number | Conductor Resistance (Ohm/km) | Screen Resistance (Ohm/km) | Mutual Capacitance (pF/m) | Nominal Inductance (μH/m) | Max. Recommended Current at 25°C | Max. Operating Voltage (Volts RMS) |
|--------------------|-------------------------------|----------------------------|---------------------------|---------------------------|----------------------------------|------------------------------------|
| J2102 | 57.4 | 78.5 | 150 | 0.5 | 2.8 | 300 |
| J2112 | 57.4 | 78.5 | 128 | 0.5 | 2.8 | 300 |
| J2122 | 57.4 | 78.5 | 120 | 0.5 | 2.25 | 300 |
| J2142 | 57.4 | 78.5 | 115 | 0.5 | 1.95 | 300 |
| J2162 | 57.4 | 78.5 | 110 | 0.5 | 1.95 | 300 |