

Audio Control & Instrumentation Cable

2C to 8C, 16AWG, XLPE, Unscreened, SWA

Armour, PVC Sheath

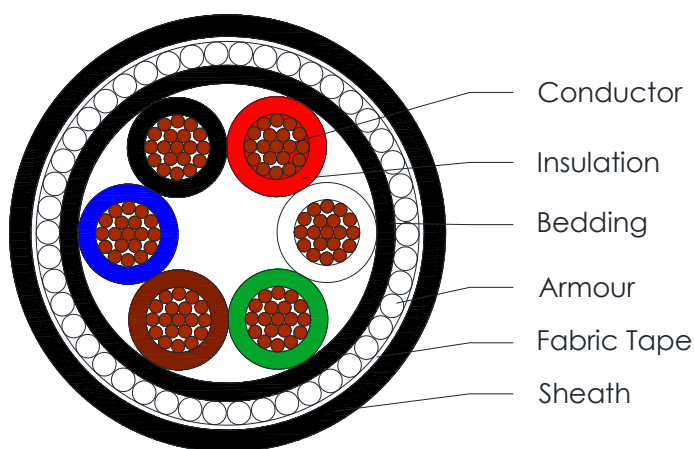


C4937, C4938, C4939, C4940, C4941

Applications

Outdoor cables suitable for Audio, Control, Instrumentation and Building Management Systems (BMS)

Cross Section Drawing



Design

| Unit | Properties |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Conductor | Flexible Bare Copper wire |
| Insulation | XLPE Core 1: Black Core 2: Red Core 3: White Core 4: Green Core 5: Brown Core 6: Blue Core 7: Orange Core 8: Yellow |
| Bedding | Flame-Retardant Polyvinyl Chloride (PVC) Standard colour: Black |
| Armouring | Galvanized steel wire |
| Wrapping Tape (Optional) | Fabric Tape |
| Sheath | UV Resistance Flame-Retardant Polyvinyl Chloride (PVC) Standard colour: Black |
| Standard Put Up Length | 305 meters |

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

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Physical Characteristics

| Part Number | C4937 | C4938 | C4939 | C4940 | C4941 |
|---------------------------------------|-----------|-------|-------|-------|-------|
| No of cores x 16AWG (19 x 29) | 2 | 3 | 4 | 6 | 8 |
| Nom. Diameter Conductor (mm) | 1.4 | | | | |
| Nom. Radial Thickness Insulation (mm) | 0.25 | | | | |
| Nom. Radial Thickness Bedding (mm) | 0.8 | | | | |
| Nom. Bedding Diameter (mm) | 5.4 | 5.7 | 6.2 | 7.3 | 7.9 |
| Nom. Armour wire Diameter (mm) | 0.9 | | | | |
| Nom. Armour coverage (%) | 95 | | | | |
| Nom. Sheath thickness (mm) | 1.25 | | | | |
| Nom. Overall Diameter (mm) | 9.7 | 10.0 | 10.5 | 11.6 | 12.2 |
| Operating Temperature | -25 / +75 | | | | |

Electrical Characteristics

| Part Number | C4937 | C4938 | C4939 | C4940 | C4941 |
|----------------------------------------------|-------|-------|-------|-------|-------|
| Max. DC Resistance Conductor (Ω /km) | 15.47 | | | | |
| Capacitance conductor to conductor | 123 | 122 | 108 | 100 | 86 |
| Nominal Inductance | 0.5 | | | | |
| Max. Recommended Current at 25°C | 6.25 | 6.25 | 5 | 4.35 | 4.35 |
| Max. Operating Voltage | 300 | | | | |

Reference Standards

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| (BS) EN 50290-2 |
| EN 60228 |
| IEC 60332-1 |
| EN 60811-HD21.14 |
| RoHS directives |