

Outdoor Audio Control & Instrumentation Cable, High Conductivity Speaker Cable 16 to 12 AWG, Unscreened, PE Sheath

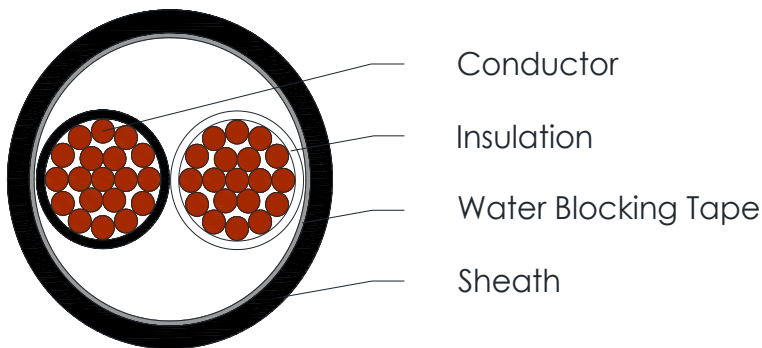


C6041, C6042, C6043

Applications

Direct Burial Outdoor cable Suitable for Audio, Control and Instrumentation.

Cross Section Drawing



Design

| Unit | Properties |
|------------------------|---|
| Conductor | Bare Copper wire, one twisted pair |
| Insulation | Polyvinylchloride (PVC) Core 1: Black Core 2: White |
| Moisture Barrier | Water Blocking Tape |
| Sheath Material | Low Density Polyethylene (LDPE) Standard colour: Black |
| Standard Put Up Length | 305 or 500 meters |

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

**Outdoor Audio Control & Instrumentation Cable,
High Conductivity Speaker Cable
16 to 12 AWG, Unscreened, PE Sheath**



C6041, C6042, C6043

Physical Characteristics

| Part Number | C6041 | C6042 | C6043 |
|---------------------------------------|-------------|-------------|-------------|
| Number of pairs | 1 | 1 | 1 |
| Conductor Type | Bare Copper | Bare Copper | Bare Copper |
| Insulation Type | PVC | PVC | PVC |
| Conductor size (AWG) | 12 | 14 | 16 |
| Conductor stranding | 19x25 | 19x27 | 19x29 |
| Nom. Radial Thickness Insulation (mm) | 0.8 | 0.8 | 0.8 |
| Water Blocking Tape thickness (mm) | 0.20 | | |
| Nom. Radial Thickness Sheath (mm) | 0.80 | | |
| Nom. Overall Diameter(mm) | 9.90 | 8.90 | 7.80 |
| Operating Temperature (°C) | -25 / +75 | | |
| Max. Recommended Pulling Tension (N) | 665 | 420 | 270 |
| Min. Bend Radius (install) (mm) | 100 | 70 | 60 |
| Nominal Cable Weight (kg/km) | 110 | 81 | 56 |

Electrical Characteristics

| Part Number | C6041 | C6042 | C6043 |
|--|-------|-------|-------|
| AWG size conductor | 12 | 14 | 16 |
| Max. DC Resistance Conductor (Ω /km) | 5.61 | 9.36 | 15.47 |
| Capacitance conductor to conductor (pF/m) | 68 | 51 | 53 |
| Max. Operating Voltage (Vrms) | 600 | 300 | 300 |

Reference Standards

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|-----------------|
| (BS) EN 50290-2 |
| IEC 60228 |
| RoHS directives |