



**Product Code: C1418F**

Control, Security, Audio, BMS, 4 Conductor, 18 AWG, BC, PP Ins, PVC, CMR

### Product Description

Multi-Conductor, Security, Audio, Control Cable, BMS, 4 Conductor, 18 AWG, Stranded Bare Copper Conductor, Polypropylene Insulation, Shielded, CMR Polyvinyl Chloride Jacket with 210D Nylon Rip Cord

### TECHNICAL SPECIFICATION

**Suitable Application** Control, Audio, Data, Monitoring Building Management System.

#### Conductor

|                |              |
|----------------|--------------|
| Element        | Conductor(s) |
| No. of Element | 4            |
| Size           | 18 AWG       |
| Stranding      | 7x26         |
| Material       | Bare Copper  |

#### Insulation

|                        |                          |
|------------------------|--------------------------|
| Material               | PP - Polypropylene       |
| Nominal Thickness (mm) | 0.23                     |
| Nominal Diameter (mm)  | 1.60±0.10x4C             |
| Color Code             | Black, Red, White, Green |

#### Outer Shield

|                 |                      |
|-----------------|----------------------|
| Shield Type     | Tape                 |
| Material        | Al-PET Shield        |
| Coverage        | >=115%               |
| Drain Wire Type | 24 AWG Tinned Copper |

#### Outer Jacket

|                        |                        |
|------------------------|------------------------|
| Material               | CMR Polyvinyl Chloride |
| Nominal Thickness (mm) | 0.43                   |
| Nominal Diameter (mm)  | 4.78±0.2               |
| Rip Cord               | Yes (Nylon-210D)       |

### ELECTRICAL CHARACTERISTICS

#### Electrical

|                                     |          |
|-------------------------------------|----------|
| Max Con DC Resistance at 20°C(Ω/km) | <21.6    |
| 20°C Insulation Resistance(MΩ/km)   | >200     |
| Nominal Capacitance                 | 159 pF/m |
| Voltage                             | 300V     |

### MECHANICAL CHARACTERISTICS

|                        |                |
|------------------------|----------------|
| Temperature Range (°C) | -20°C to +75°C |
| Bend Radius (mm)       | 49.0           |
| Max Pull Tension       | 47 kg          |
| Bulk Cable Weight      | 14 kg/305 m    |

### STANDARDS & COMPLIANCE

Reaction to Fire: UL 1666 Riser: IEC 60332-1-2

UL Compliance: CMR

RoHS2(2011/65/EU Compliant)

UL Number E535337

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