

18 AWG 4 Conductor Shielded Plenum Cable

Product Description

Security & Sound Cable, Plenum-CMP, 4-18 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord



Technical Specifications

Product Overview

| | |
|------------------------|--|
| Suitable Applications: | Security System, Intercom/PA, Audio/Speaker, Noisy Environment |
|------------------------|--|

Construction Details

| Conductor | | | | | Insulation | | | | |
|--------------|-----------------|--------|-----------|------------------|--------------|--------------------------|--------------------|--------------------------|--------------------------|
| Element | No. of Elements | Size | Stranding | Material | Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
| Conductor(s) | 4 | 18 AWG | 7x26 | BC - Bare Copper | Conductor(s) | PVC - Polyvinyl Chloride | 0.009 in (0.23 mm) | 0.061 in (1.5 mm) | Black, Red, White, Green |

Outer Shield

| Shield Type | Material | Coverage | Drainwire Type |
|-------------|-------------------------|----------|------------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 24 AWG (7x32) TC |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------------------|--------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.015 in (0.38 mm) | 0.188 in (4.78 mm) | Yes |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.188 in (4.78 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|-----------------------|--------------------|-------------------------------|---|---|
| Conductor(s) | 6.5 Ohm/1000ft | 42 pF/ft (140 pF/m) | 76 pF/ft (250 pF/m) | 11.2 Amps per Conductor at 25°C (10°C Temperature Rise) |
| Nom Outer Shield DCR: | | 14.4 Ohm/1000ft (47.2 Ohm/km) | | |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V |

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|--------------|
| 75°C | 0°C to +75°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 1.9 in (48 mm) | 1.9 in (48 mm) |

| | |
|--------------------|----------------|
| Max. Pull Tension: | 95 lbs (43 kg) |
| Bulk Cable Weight: | 32 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor, Indoor |
| Flammability / Reaction to Fire: | NFPA 262, UL 910 (Plenum), FT6, IEC 60332-1-2 |
| CPR Compliance: | CPR Euroclass: Eca; CPR UKCA Class: Eca |
| NEC / UL Compliance: | Article 800, CMP |
| CEC / C(UL) Compliance: | CMP |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| UK Regulation Compliance: | UKCA Mark |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Non-Plenum Number: | 5302FE |