

6300FC Multi-Conductor - Pro Audio and Intercom System - 2 Conductors Cabled



For more Information
please call

1-800-Belden1



General Description:

Security, Pro Audio & Intercom Cable, Plenum-CMP, 2-18 AWG stranded bare copper conductors with FEP insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

Usage (Overall)

Suitable Applications: Pro Audio, Intercom/PA Systems, Security Systems

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 2 | 18 | 7x26 | BC - Bare Copper |

Total Number of Conductors: 2

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (mm) |
|--------------------------------------|---------------------|
| FEP - Fluorinated Ethylene Propylene | 0.1524 |

Outer Shield

Outer Shield Material:

| Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|-------------------------|------|--|--------------|
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape w/Shorting Fold | 100 |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 20 | 7x28 | TC - Tinned Copper |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Trade Name | Outer Jacket Material | Nom. Wall Thickness (mm) |
|-------------------------|---------------------------------------|--------------------------|
| Flamarrest® | LS PVC - Low Smoke Polyvinyl Chloride | 0.4191 |

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Color Code Chart:

| Number | Color |
|--------|-------|
| 1 | Black |
| 2 | Red |

Overall Nominal Diameter: 3.937 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: 0°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 29.020 Kg/Km

Max. Recommended Pulling Tension: 253.547 N

Min. Bend Radius/Minor Axis: 40.640 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

NEC Articles: 800

CEC/C(UL) Specification: CMP

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

METRIC MEASUREMENT VERSION

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| | |
|---------------------------------------|------------|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 04/01/2005 |
| EU Directive 2002/96/EC (WEEE): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MIL Order #39 (China RoHS): | Yes |

Flame Test

| | |
|-------------------|----------|
| UL Flame Test: | NFPA 262 |
| C(UL) Flame Test: | FT6 |

Plenum/Non-Plenum

| | |
|---------------|-----|
| Plenum (Y/N): | Yes |
|---------------|-----|

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

29

Nom. Inductance:

Inductance (µH/m)

0.49215

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

187.017

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

336.631

Nominal Velocity of Propagation:

VP (%)

62

Nominal Delay:

Delay (ns/m)

0.482307

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

21.3265

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

23.9513

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

5 Amps per conductor @ 25°C

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|-----------------|----------|-------------|---------|-------|---------------------|
| 6300FC 877U1000 | 1,000 FT | 22.000 LB | NATURAL | | 2 #18 FEP FS FLMRST |
| 6300FC 8771000 | 1,000 FT | 22.000 LB | NATURAL | C | #18 FEP FS FLMRST |

Notes:

C = CRATE REEL PUT-UP.

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