



Product: [5300FE](#)

Security & Sound, 2 Conductor 18 AWG, BC, Shielded, CMR

Product Description

Security & Commercial Audio Cable, Riser-CMR, 2-18 AWG stranded bare copper conductors with polypropylene insulation, Beldfoil® shield and PVC jacket with ripcord

Technical Specifications

Product Overview

|                        |                                          |
|------------------------|------------------------------------------|
| Suitable Applications: | Intercom/PA Systems, Sound/Audio Systems |
|------------------------|------------------------------------------|

Construction Details

Conductor

| Element      | No. of Elements | Size   | Stranding | Material         |
|--------------|-----------------|--------|-----------|------------------|
| Conductor(s) | 2               | 18 AWG | 7x26      | BC - Bare Copper |

Insulation

| Element      | Material        | Nom. Thickness     | Nom. Insulation Diameter | Color Code |
|--------------|-----------------|--------------------|--------------------------|------------|
| Conductor(s) | PO - Polyolefin | 0.009 in (0.23 mm) | 0.062 in (1.6 mm)        | Black, Red |

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 | 0.017 in (0.43 mm) | 0.162 in (4.11 mm) | Yes     |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.162 in (4.11 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     | 53 pF/ft (170 pF/m)           | 95.5 pF/ft (313 pF/m)                           | 5 Amps per conductor @ 25°C |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V (CMR)       |

Mechanical Characteristics

Temperature

| UL Temperature | Operating      |
|----------------|----------------|
| 75°C           | -20°C to +75°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 1.6 in (41 mm)  | 1.6 in (41 mm)    |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 58 lbs (26 kg) |
| Bulk Cable Weight: | 18 lbs/1000ft  |

Standards and Compliance

|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor - Riser, Indoor                                                                                                    |
| Flammability / Reaction to Fire: | UL 1666 Riser, FT4, IEC 60332-1-2                                                                                         |
| CPR Compliance:                  | CPR Euroclass: Eca                                                                                                        |
| NEC / UL Compliance:             | Article 800, CMR                                                                                                          |
| CEC / C(UL) Compliance:          | CMG                                                                                                                       |
| 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)                                                                                           |
| Plenum Number:                   | 6300FE                                                                                                                    |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.544 Revision Date: 04-13-2023 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #          | Color       | Putup Type   | Length   | UPC/EAN       | Footnote |
|-----------------|-------------|--------------|----------|---------------|----------|
| 5300FE 0101000  | Black       | Reel         | 1,000 ft | 612825158981  |          |
| 5300FE 010U1000 | Black       | UnReel       | 1,000 ft | 612825423362  |          |
| 5300FE 010Z1000 | Black       | ReelTuff Box | 1,000 ft | 612825159025  |          |
| 5300FE 0061000  | Blue, Light | Reel         | 1,000 ft | 612825350323  |          |
| 5300FE.00152    | Chrome      | Reel         | 152 m    | 8719605008145 |          |
| 5300FE.00305    | Chrome      | Reel         | 305 m    | 8719605008152 |          |
| 5300FE 008500   | Gray        | Reel         | 500 ft   | 612825336754  |          |
| 5300FE 008U500  | Gray        | UnReel       | 500 ft   | 612825423348  |          |
| 5300FE 0081000  | Gray        | Reel         | 1,000 ft | 612825158974  | C        |
| 5300FE 008U1000 | Gray        | UnReel       | 1,000 ft | 612825158950  |          |
| 5300FE 008Z1000 | Gray        | ReelTuff Box | 1,000 ft | 612825350330  |          |
| 5300FE 0031000  | Orange      | Reel         | 1,000 ft | 612825350309  |          |
| 5300FE 0021000  | Red         | Reel         | 1,000 ft | 612825423331  |          |
| 5300FE 002Z1000 | Red         | ReelTuff Box | 1,000 ft | 612825350293  |          |
| 5300FE 0071000  | Violet      | Reel         | 1,000 ft | 612825158967  |          |
| 5300FE 0091000  | White       | Reel         | 1,000 ft | 612825423355  |          |
| 5300FE 009Z1000 | White       | ReelTuff Box | 1,000 ft | 612825158998  |          |
| 5300FE 0041000  | Yellow      | Reel         | 1,000 ft | 612825350316  |          |

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