



Part Number: 5300FE

Security & Sound, 2 Conductor 18 AWG, BC, O/A Foil, CMR

Product Description

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

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Environmental Space: | Indoor - Riser |
| Suitable Applications: | Intercom/PA Systems, Sound/Audio Systems |

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 18 | 7x26 | TC - Tinned Copper | 2 |

| | |
|------------------|--------|
| Conductor Count: | 2 |
| Conductor Size: | 18 AWG |

Insulation

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------|------------------|------------------------|
| PP - Polypropylene | 0.062 in | 0.008 in |

Color Chart

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

Outer Shield Material

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|--------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Aluminum/Polyester | Beldfoil® | 100 % | TC - Tinned Copper | 24 | Solid |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.162 in | 0.017 in | Yes |

Construction and Dimensions

Cabling

| Twists |
|--------------|
| 6.9 twist/ft |

| | |
|---------------|--|
| Print Legend: | NEW GENERATION(R) BY BELDEN 5300FE CMR 75C 2C18 SHIELDED (UL) E108998 OR C(UL) CMG----FT4 (2 FT., 7 DIGIT SEQUENTIAL) FEET |
|---------------|--|

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 6.5 Ohm/1000ft | 16.25 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 53 pF/ft | 95.5 pF/ft |

Inductance

| Nominal Inductance |
|--------------------|
| 0.145 µH/ft |

Current

| Max. Recommended Current [A] |
|------------------------------|
| Per conductor @ 25°C: 5 A |

Voltage

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

Temperature Range

| | |
|-----------------------|----------------|
| UL Temp Rating: | 75°C |
| Operating Temp Range: | -20°C To +75°C |

Mechanical Characteristics

| | |
|----------------------------------|---------------|
| Bulk Cable Weight: | 18 lbs/1000ft |
| Max Recommended Pulling Tension: | 57.5 lbs |
| Min Bend Radius/Minor Axis: | 1.75 in |

Standards

| | |
|--------------------------|-----|
| NEC Articles: | 800 |
| NEC/(UL) Specification: | CMR |
| CEC/C(UL) Specification: | CMG |
| CPR Euroclass: | Eca |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/96/EC (BFR): | Yes |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive 2015/863/EU: | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Suitability

| | |
|------------------------------------|-----|
| Suitability - Aerial: | No |
| Suitability - Burial: | No |
| Suitability - Hazardous Locations: | No |
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | No |
| Suitability - Sunlight Resistance: | No |

Flammability, LSOH, Toxicity Testing

| | |
|---------------------|-----------------------|
| C(UL) Flammability: | FT4 |
| UL Flammability: | UL1666 Vertical Shaft |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

| | |
|----------------|--------|
| Plenum (Y/N): | No |
| Plenum Number: | 6300FH |

Variants

| Item # | Color | Footnote |
|-----------------|-------------|----------|
| 5300FE 0101000 | Black | |
| 5300FE 010U1000 | Black | |
| 5300FE 010Z1000 | Black | |
| 5300FE 010Z1000 | Black | |
| 5300FE 0061000 | Blue, Light | |
| 5300FE 0061000 | Blue, Light | |
| 5300FE.00152 | Chrome | |
| 5300FE.00305 | Chrome | |
| 5300FE 0081000 | Gray | C |
| 5300FE 008500 | Gray | |
| 5300FE 008U1000 | Gray | |
| 5300FE 008U500 | Gray | |
| 5300FE 008Z1000 | Gray | |
| 5300FE 008Z1000 | Gray | |
| 5300FE 0031000 | Orange | |
| 5300FE 0031000 | Orange | |
| 5300FE 0021000 | Red | |
| 5300FE 0021000 | Red | |
| 5300FE 002Z1000 | Red | |
| 5300FE 002Z1000 | Red | |
| 5300FE 0071000 | Violet | |
| 5300FE 0071000 | Violet | |
| 5300FE 0091000 | White | |
| 5300FE 0091000 | White | |
| 5300FE 009Z1000 | White | |
| 5300FE 009Z1000 | White | |
| 5300FE 0041000 | Yellow | |
| 5300FE 0041000 | Yellow | |

| | |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

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