BELDEN
SENDING ALL THE RIGHT SIGNALS

# 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 | Number of Element | Size | Stranding | Material |
|---|---|---|---|---|
| Conductor(s) | 2 | 18 AWG | 7x26 | BC - Bare Copper |

**Insulation**

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---|---|---|---|---|
| Conductor(s) | PP - Polypropylene | 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 (21 Ohm/km) | 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 (27 kg/km) |

## Standards and Compliance

| | |
|---|---|
| Environmental Suitability: | Indoor - Riser, Indoor |
| Flammability / Reaction to Fire: | UL1666 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) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Plenum Number: | 6300FH |

## History

| | |
|---|---|
| Update and Revision: | Revision Number: 0.375 Revision Date: 02-08-2022 |

## Part Numbers

**Variants**

| Item # | Color | Putup Type | Length | UPC/EAN |
|---|---|---|---|---|
| 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 |
| 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 |

© 2022 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.