




Product: [5200FE](#) 

Security & Sound, 2 Conductor 16 AWG, BC, Shielded, CMR

Product Description

Security & Commercial Audio Cable, Riser-CMR, 2-16 AWG stranded bare copper conductors with polypropylene insulation, Beldfoil® shield and PVC jacket with ripcord

Technical Specifications

Product Overview

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

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|--------------|-----------------|--------|-----------|------------------|
| Conductor(s) | 2 | 16 AWG | 19x29 | BC - Bare Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------|--------------------|--------------------|--------------------------|------------|
| Conductor(s) | PP - Polypropylene | 0.008 in (0.20 mm) | 0.073 in (1.9 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) | 0.184 in (4.67 mm) | Yes |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.184 in (4.67 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Inductance | Max. Current |
|-----------------------|-------------------------------|-------------------------------|---|------------------------|--------------------------------|
| Conductor(s) | 4 Ohm/1000ft | 58 pF/ft (190 pF/m) | 114 pF/ft (374 pF/m) | 0.14 µH/ft (0.46 µH/m) | 6.25 Amps per conductor @ 25°C |
| Nom Outer Shield DCR: | 14.4 Ohm/1000ft (47.2 Ohm/km) | | | | |

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. |
|-----------------|-------------------|
|-----------------|-------------------|

| | |
|--------------------|--------------------|
| 1.9 in (48 mm) | 1.9 in (48 mm) |
| Max. Pull Tension: | 85.5 lbs (38.8 kg) |
| Bulk Cable Weight: | 24 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: | 6200FE |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.514 Revision Date: 09-07-2025 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC/EAN | Footnote |
|-----------------|-------------|--------------|----------|---------------|----------|
| 5200FE 0101000 | Black | Reel | 1,000 ft | 612825446002 | |
| 5200FE 010Z1000 | Black | ReelTuff Box | 1,000 ft | 612825157335 | |
| 5200FE 0061000 | Blue, Light | Reel | 1,000 ft | 612825350446 | |
| 5200FE.00152 | Chrome | Reel | 152 m | 8719605007940 | |
| 5200FE.00305 | Chrome | Reel | 305 m | 8719605007964 | |
| 5200FE.00U305 | Chrome | UnReel | 305 m | 8719605007971 | |
| 5200FE.K0305 | Chrome | Reel | 305 m | 8719605007995 | |
| 5200FE.001500 | Chrome | Reel | 1,500 m | 8719605007933 | |
| 5200FE.K01500 | Chrome | Reel | 1,500 m | 8719605007988 | |
| 5200FE.001525 | Chrome | Reel | 1,525 m | 8719605007957 | |
| 5200FE 008500 | Gray | Reel | 500 ft | 612825157274 | C |
| 5200FE 008U500 | Gray | UnReel | 500 ft | 612825423485 | |
| 5200FE 0081000 | Gray | Reel | 1,000 ft | 612825157304 | C |
| 5200FE 008U1000 | Gray | UnReel | 1,000 ft | 612825157281 | |
| 5200FE 008Z1000 | Gray | ReelTuff Box | 1,000 ft | 612825350453 | |
| 5200FE 0051000 | Green, Dark | Reel | 1,000 ft | 612825350439 | |
| 5200FE 0031000 | Orange | Reel | 1,000 ft | 612825350415 | |
| 5200FE 0021000 | Red | Reel | 1,000 ft | 612825423478 | |
| 5200FE 002Z1000 | Red | ReelTuff Box | 1,000 ft | 612825350408 | |
| 5200FE 0071000 | Violet | Reel | 1,000 ft | 612825157298 | |
| 5200FE 009U1000 | White | UnReel | 1,000 ft | 612825423492 | |
| 5200FE 0091000 | White | Reel | 1,000 ft | 612825157311 | |
| 5200FE 009Z1000 | White | ReelTuff Box | 1,000 ft | 612825350460 | |
| 5200FE 0041000 | Yellow | Reel | 1,000 ft | 612825350422 | |

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