



Product: [5200FE](#)

Security & Sound, 2 Conductor 16 AWG, BC, 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      | Number of Element | Size   | Stranding | Material         |
|--------------|-------------------|--------|-----------|------------------|
| Conductor(s) | 2                 | 16 AWG | 19x29     | BC - Bare Copper |

Insulation

| Element      | Material           | Nom. Thickness     | Color Code |
|--------------|--------------------|--------------------|------------|
| Conductor(s) | PP - Polypropylene | 0.008 in (0.20 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) | 0.188 in (4.78 mm) | Yes     |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.188 in (4.78 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element      | Nom. Conductor DCR       | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                    |
|--------------|--------------------------|-------------------------------|-------------------------------------------------|---------------------------------|
| Conductor(s) | 4 Ohm/1000ft (13 Ohm/km) | 58 pF/ft (190 pF/m)           | 114 pF/ft (374 pF/m)                            | 6.25 Amps per Conductor at 25°C |

Voltage

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

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 (36 kg/km) |

Standards and Compliance

|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor - Riser, Indoor                                                                                                    |
| Flammability / Reaction to Fire: | UL1666 Vertical Shaft, 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:                   | 6200FH                                                                                                                    |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.330 Revision Date: 02-08-2022 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #          | Color       | Putup Type   | Length   | UPC/EAN       |
|-----------------|-------------|--------------|----------|---------------|
| 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   | Gray        | Reel         | 305 m    | 8719605007971 |
| 5200FE 008500   | Gray        | Reel         | 500 ft   | 612825157274  |
| 5200FE 008U500  | Gray        | UnReel       | 500 ft   | 612825423485  |
| 5200FE 0081000  | Gray        | Reel         | 1,000 ft | 612825157304  |
| 5200FE 008U1000 | Gray        | UnReel       | 1,000 ft | 612825157281  |
| 5200FE 008Z1000 | Gray        | ReelTuff Box | 1,000 ft | 612825350453  |
| 5200FE.001500   | Gray        | Reel         | 1,500 m  | 8719605007933 |
| 5200FE.001525   | Gray        | Reel         | 1,525 m  | 8719605007957 |
| 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  |

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