



**Product:** [5445FE](#) 

Security & Sound, #20-6pr, BC, Shielded, CMR

## Product Description

Security & Sound Cable, Riser-CMR, 6-20 AWG stranded bare copper pairs with polypropylene insulation, Beldfoil® shield and PVC jacket with ripcord

## Technical Specifications

### Product Overview

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

### Physical Characteristics (Overall)

#### Conductor

| AWG | Stranding | Material         | No. of Pairs |
|-----|-----------|------------------|--------------|
| 20  | 7x28      | BC - Bare Copper | 6            |

|                  |    |
|------------------|----|
| Conductor Count: | 12 |
|------------------|----|

#### Insulation

| Material           | Nominal Wall Thickness |
|--------------------|------------------------|
| PP - Polypropylene | 0.007 in               |

#### Color Chart

| Number | Color          |
|--------|----------------|
| 1      | Black & Red    |
| 2      | Black & White  |
| 3      | Black & Green  |
| 4      | Black & Blue   |
| 5      | Black & Yellow |
| 6      | Black & Brown  |

#### Outer Shield Material

| Material    | Material Trade Name | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|-------------|---------------------|--------------------|---------------|------------------------------|
| Alum / Poly | Beldfoil®           | TC - Tinned Copper | 24            | 7x32                         |

#### Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.293 in         | 0.02 in                |

### Electrical Characteristics

#### Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 10.3 Ohm/1000ft       | 9.5 Ohm/1000ft           |

#### Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|-----------------------------------------|---------------------------------------------------------|
| 26 pF/ft                                | 46.8 pF/ft                                              |

#### Current

| Max. Recommended Current [A]   |
|--------------------------------|
| 2.6 Amps per Conductor at 25°C |

Voltage

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

Temperature Range

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

Mechanical Characteristics

|                             |                 |
|-----------------------------|-----------------|
| Bulk Cable Weight:          | 66.7 lbs/1000ft |
| Max. Pull Tension:          | 160.3 lbs       |
| Min Bend Radius/Minor Axis: | 3 in            |

Standards

|                       |     |
|-----------------------|-----|
| NEC/(UL) Compliance:  | CMR |
| CEC/C(UL) Compliance: | CMG |

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 Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01                    |
| MIL Order #39 (China RoHS):           | Yes                           |

Flammability, LSOH, Toxicity Testing

|                    |              |
|--------------------|--------------|
| UL Flammability:   | UL1666 Riser |
| CSA Flammability:  | FT4          |
| UL voltage rating: | 300 V RMS    |

Plenum/Non-Plenum

|                |        |
|----------------|--------|
| Plenum (Y/N):  | No     |
| Plenum Number: | 6445FE |

Part Number

Variants

| Item #         | Color | UPC          |
|----------------|-------|--------------|
| 5445FE 0081000 | Gray  | 612825162599 |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.226 Revision Date: 06-08-2020 |
|----------------------|--------------------------------------------------|

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