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please call

1-800-Belden1



### General Description:

Security & Commercial Audio Cable, Riser-CMR, 3-16 AWG stranded tinned copper conductors with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

### Usage (Overall)

**Suitable Applications:** Intercom/PA Systems, Sound/Audio Systems

### Physical Characteristics (Overall)

#### Conductor

**AWG:**

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 3            | 16  | 19x29     | TC - Tinned Copper |

**Total Number of Conductors:** 3

#### Insulation

**Insulation Material:**

| Insulation Material | Wall Thickness (mm) |
|---------------------|---------------------|
| PP - Polypropylene  | 0.203               |

#### Outer Shield

**Outer Shield Material:**

| Outer Shield Trade Name | Type | Outer Shield Material                        | Coverage (%) |
|-------------------------|------|--|--------------|
| Beldfoil®               | Tape | Aluminum Foil-Polyester Tape w/Shorting Fold | 100          |

**Outer Shield Drain Wire AWG:**

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 24  | Solid     | TC - Tinned Copper            |

#### Outer Jacket

**Outer Jacket Material:**

| Outer Jacket Material    | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.432                    |

**Outer Jacket Ripcord:** Yes

#### Overall Cable

**Overall Cabling Color Code Chart:**

| Number | Color |
|--------|-------|
| 1      | Black |
| 2      | Red   |
| 3      | White |

**Overall Nominal Diameter:** 4.953 mm

### Mechanical Characteristics (Overall)

**Operating Temperature Range:** -20°C To +75°C

**Bulk Cable Weight:** 50.599 Kg/Km

**Max. Recommended Pulling Tension:** 515.546 N

**Min. Bend Radius/Minor Axis:** 50.800 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

|                                    |     |
|------------------------------------|-----|
| NEC/(UL) Specification:            | CMR |
| NEC Articles:                      | 800 |
| CEC/C(UL) Specification:           | CMG |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU CE Mark:                        | Yes |
| EU Directive 2000/53/EC (ELV):     | Yes |
| EU Directive 2002/95/EC (RoHS):    | Yes |
| EU Directive 2002/96/EC (WEEE):    | Yes |
| EU Directive 2003/11/EC (BFR):     | Yes |
| CA Prop 65 (CJ for Wire & Cable):  | Yes |
| MII Order #39 (China RoHS):        | Yes |

### Flame Test

|                   |                       |
|-------------------|-----------------------|
| UL Flame Test:    | UL1666 Vertical Shaft |
| C(UL) Flame Test: | FT4                   |

### Suitability

|                       |     |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

### Plenum/Non-Plenum

|                |        |
|----------------|--------|
| Plenum (Y/N):  | No     |
| Plenum Number: | 6201FH |

## Surface Printing (Overall)

|                   |  |
|-------------------|--|
| Surface Printing: | NEW GENERATION(R) BY BELDEN 5201FE CMR 75C 3C16 SHIELDED (UL) E108998 OR C(UL) CMG----FT4 (2 FT., 7 DIGIT SEQUENTIAL) FEET |
|-------------------|--|

## Electrical Characteristics (Overall)

### Nom. Capacitance Conductor to Conductor:

|                    |         |
|--------------------|---------|
| Capacitance (pF/m) | 190.298 |
|--------------------|---------|

### Nom. Capacitance Cond. to Other Conductor & Shield:

|                    |         |
|--------------------|---------|
| Capacitance (pF/m) | 342.865 |
|--------------------|---------|

### Nom. Conductor DC Resistance:

|                     |        |
|---------------------|--------|
| DCR @ 20°C (Ohm/km) | 13.124 |
|---------------------|--------|

### Nominal Outer Shield DC Resistance:

|                     |        |
|---------------------|--------|
| DCR @ 20°C (Ohm/km) | 49.871 |
|---------------------|--------|

### Max. Operating Voltage - UL:

|         |           |
|---------|-----------|
| Voltage | 300 V RMS |
|---------|-----------|

### Max. Recommended Current:

| Description          | Current                                |
|----------------------|--|
| 10C Temperature Rise | 6.25 Amps per conductor @ 25°C ambient |

## Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------|-------|-------------|-------|-------|-----------|
|--------|-------|-------------|-------|-------|-----------|

## METRIC MEASUREMENT VERSION

### 5201FH Multi-Conductor - Commercial Audio Systems

|                 |          |           |      |  |                   |
|-----------------|----------|-----------|------|--|-------------------|
| 5201FH 008U1000 | 1,000 FT | 38.000 LB | GRAY |  | 3 #16 PO FS FRPVC |
| 5201FH 0081000  | 1,000 FT | 37.000 LB | GRAY |  | 3 #16 PO FS FRPVC |

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