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please call

1-800-Belden1



### General Description:

Security & Alarm Cable, Riser-CMR, 6-22 AWG stranded bare copper conductors with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 6            | 22  | 7x30      | BC - Bare Copper   |

Total Number of Conductors: 6

#### 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 Lay Length & Direction:

| Length (mm) | Direction | Twists (twist/m) |
|-------------|-----------|------------------|
| 69.850      | Left Hand | 14.436           |

##### Overall Cabling Color Code Chart:

| Color |
|-------|
| Black |
| Red   |
| White |
| Green |
| Brown |
| Blue  |

Overall Nominal Diameter: 4.369 mm

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

## 5504FE Multi-Conductor - Commercial Applications

|                                   |              |
|-----------------------------------|--------------|
| Bulk Cable Weight:                | 40.479 Kg/Km |
| Max. Recommended Pulling Tension: | 267.337 N    |
| Min. Bend Radius/Minor Axis:      | 41.275 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 RoHS Compliance Date (mm/dd/yyyy): | 04/01/2005 |
| 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 |
| CSA Flame Test: | FT4                   |

#### Suitability

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

#### Plenum/Non-Plenum

|                |        |
|----------------|--------|
| Plenum (Y/N):  | No     |
| Plenum Number: | 6504FE |

### Surface Printing (Overall)

#### Electrical Characteristics (Overall)

##### Nom. Capacitance Conductor to Conductor:

|                    |
|--------------------|
| Capacitance (pF/m) |
| 73.823             |

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

|                    |
|--------------------|
| Capacitance (pF/m) |
| 132.881            |

##### Nom. Conductor DC Resistance:

|                     |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 53.8084             |

##### Nominal Outer Shield DC Resistance:

|                     |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 50.1993             |

##### Max. Operating Voltage - UL:

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

##### Max. Recommended Current:

| Description         | Current                             |
|---------------------|-------------------------------------|
| 10C Temperature ris | 2 Amps per conductor @ 25°C ambient |

### Put Ups and Colors:

| Item #          | Putup  | Ship Weight | Color | Notes | Item Desc         |
|-----------------|--------|-------------|-------|-------|-------------------|
| 5504FE 008U1000 | 305 MT | 10.433 KG   | GRAY  |       | 6 #22 PP FS FRPVC |
| 5504FE 008U500  | 152 MT | 5.670 KG    | GRAY  |       | 6 #22 PP FS FRPVC |
| 5504FE 0081000  | 305 MT | 13.154 KG   | GRAY  | C     | 6 #22 PP FS FRPVC |

**Notes:**

C = CRATE REEL PUT-UP.

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