



For more Information  
please call

1-800-Belden1



### General Description:

Security & Alarm Cable, Riser-CMR, 4-22 AWG stranded tinned copper conductors with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 4            | 22  | 7x30      | TC - Tinned Copper |

Total Number of Conductors: 4

#### 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  | 7x32      | 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) |
|-------------|-----------|------------------|
| 63.500      | Left Hand | 15.749           |

##### Overall Cabling Color Code Chart:

| Color |
|-------|
| Black |
| Red   |
| White |
| Green |

Overall Nominal Diameter: 3.683 mm

### Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 25.299 Kg/Km

Max. Recommended Pulling Tension: 186.824 N

Min. Bend Radius/Minor Axis: 34.925 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

### Surface Printing (Overall)

Surface Printing: NEW GENERATION(R) BY BELDEN 5502FE CMR 75C 4C22 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)

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)

52.8241

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

#### Max. Recommended Current:

Current

2.2 Amps per conductor @ 25°C

### Put Ups and Colors:

## METRIC MEASUREMENT VERSION

### 5502FH Multi-Conductor - Commercial Applications

| Item #          | Putup    | Ship Weight | Color | Notes | Item Desc       |
|-----------------|----------|-------------|-------|-------|-----------------|
| 5502FH 009U1000 | 1,000 FT | 17.000 LB   | WHITE |       | 4 #22 PO FS PVC |

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