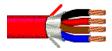
# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



### 5502FL Multi-Conductor - Commercial Applications



For more Information please call

1-800-Belden1



### **General Description:**

Fire Alarm Cable, Riser-FPLR, 4-22 AWG stranded bare copper conductors with polyolefin insulation, Overall Beldfoil® shield, PVC jacket with ripcord

| Overall Belatone Stricta, i vo jacket with ripod                               | iu   |  |  |  |
|--|--|--|--|--|
| Usage (Overall)  |  |  |  |  |
| Suitable Applications:   | Fire Protections, Alarm, Signal, Monitor/Detection, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits |  |  |  |
| Physical Characteristics (Overall)   |  |  |  |  |
| Conductor  |  |  |  |  |
| AWG:   |  |  |  |  |
| # Conductors AWG Stranding Conductor Material 4   22   7x30   BC - Bare Copper |  |  |  |  |
| 4   22   7x30   BC - Bare Copper   |  |  |  |  |
| Total Number of Conductors:  | 4  |  |  |  |
| Insulation   |  |  |  |  |
| Insulation Material: Insulation Material Wall Thickness (in.)                  |  |  |  |  |
| PP - Polypropylene   0.008   |  |  |  |  |
|  |  |  |  |  |
| Outer Shield Outer Shield Material:  |  |  |  |  |
| Outer Shield Trade Name Type Outer Shield Material                             | Coverage (%)   |  |  |  |
| Beldfoil® Tape Aluminum Foil-Polyester Tape w/Sh                               |  |  |  |  |
| 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 (in.)                                |  |  |  |  |
| PVC - Polyvinyl Chloride 0.017   |  |  |  |  |
| Outer Jacket Ripcord:  | Yes  |  |  |  |
| Overall Cable  |  |  |  |  |
| Overall Cabling Lay Length & Direction:  |  |  |  |  |
| Length (in.) Twists (twist/ft)   |  |  |  |  |
| 1.750   6.900  |  |  |  |  |
| Overall Cabling Color Code Chart:  |  |  |  |  |
| Number Color   |  |  |  |  |
| 2 Red  |  |  |  |  |
| 3 Brown  |  |  |  |  |
| 4 Blue   |  |  |  |  |
| Overall Nominal Diameter:  | 0.146 in.  |  |  |  |
|  |  |  |  |  |
| Mechanical Characteristics (Overall)   |  |  |  |  |
| Operating Temperature Range:   | -20°C To +75°C   |  |  |  |
| UL Temperature Rating:   | 75°C   |  |  |  |
| Bulk Cable Weight:   | 15 lbs/1000 ft.  |  |  |  |
| Max. Recommended Pulling Tension:  | 36.500 lbs.  |  |  |  |

1.500 in.

**Applicable Specifications and Agency Compliance (Overall)** 

Applicable Standards & Environmental Programs

Min. Bend Radius/Minor Axis:

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## **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



#### 5502FL Multi-Conductor - Commercial Applications

| NEC/(UL) Specification:               | FPLR   |
|---------------------------------------|--|
| NEC Articles:                         | 760  |
| 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): | 10/01/2009   |
| 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  |
| Plenum/Non-Plenum                     |  |
| Plenum (Y/N):                         | No   |
| Plenum Number:                        | 6502FL   |
| Surface Printing (Overall)            |  |
| Surface Printing:                     | NEW GENERATION(R) BY BELDEN 5502FL FPLR 75C 4C22 SHIELDED (UL) E64959FT4 (2 FT., 7 |

DIGIT SEQUENTIAL) FEET

## **Electrical Characteristics (Overall)**

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft) 22.500

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft) 40.500

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 16.4

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 16.750

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

4.0 Amps per conductor @ 25°C

#### **Put Ups and Colors:**

| Item #          | Putup    | Ship Weight | Color | Notes | Item Desc         |
|-----------------|----------|-------------|-------|-------|-------------------|
| 5502FL 002U1000 | 1,000 FT | 17.000 LB   | RED   |       | 4 #22 PO FS FRPVC |

Revision Date: 08-08-2013 Revision Number: 1

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