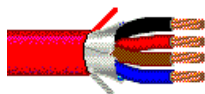


## 5502FL Multi-Conductor - Commercial Applications



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

**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

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/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 (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
1	Black
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.

Min. Bend Radius/Minor Axis: 1.500 in.

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

Applicable Standards & Environmental Programs

## 5502FL Multi-Conductor - Commercial Applications

NEC/(UL) Specification:	FPLR
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NEC Articles:	760
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EU Directive 2011/65/EU (ROHS II):	Yes
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EU CE Mark:	Yes
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2009
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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**Flame Test**

UL Flame Test:	UL1666 Vertical Shaft
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CSA Flame Test:	FT4
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**Plenum/Non-Plenum**

Plenum (Y/N):	No
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Plenum Number:	6502FL
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**Surface Printing (Overall)**

Surface Printing:	NEW GENERATION(R) BY BELDEN 5502FL FPLR 75C 4C22 SHIELDED (UL) E64959----FT4 (2 FT., 7 DIGIT SEQUENTIAL) FEET
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**Electrical Characteristics (Overall)****Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)
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22.500
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**Nom. Capacitance Cond. to Other Conductor & Shield:**

Capacitance (pF/ft)
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40.500
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**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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16.4
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**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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16.750
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**Max. Operating Voltage - UL:**

Voltage
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300 V RMS
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**Max. Recommended Current:**

Current
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4.0 Amps per conductor @ 25°C
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**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 Number: 1    Revision Date: 08-08-2013

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).