



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
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
MIL 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) E64959----FT4 (2 FT., 7 DIGIT SEQUENTIAL) FEET
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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:

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

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