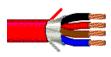
# **Detailed Specifications & Technical Data**



ENGLISH MEASUREMENT VERSION

## 5302FL Multi-Conductor - Commercial Applications



For more Information please call

1-800-Belden1



### **General Description:**

Fire Alarm Cable, Riser-FPLR, 4-18 AWG stranded bare copper conductors with polyolefin insulation, Overall Beldfoil® shield, PVC jacket with ripcord

sage (Overall)	
Suitable Applications:	Fire Protections, Alarm, Signal, Monitor/Detection, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits
nysical Characteristics (Overall)	
Conductor AWG:	
# Conductors AWG Stranding Conductor Material	
4 18 7x26 BC - Bare Copper	
Total Number of Conductors:	4
sulation Insulation Material:	
Insulation MaterialWall Thickness (in.)PP - Polypropylene0.008	
Duter Shield	
Outer Shield Material:	
Outer Shield Trade Name Type Outer Shield Material	Coverage (%)
Beldfoil® Tape Aluminum Foil-Polyester Ta	ape w/Shorting Fold 100
Outer Shield Drain Wire AWG: AWG Stranding Drain Wire Conductor Material	
24 Solid TC - Tinned Copper	
Duter Jacket	
Outer Jacket Material:	
Outer Jacket Material Nom. Wall Thickness (in.)	
PVC - Polyvinyl Chloride 0.017	
Outer Jacket Ripcord:	Yes
verall Cable	
Overall Cabling Lay Length & Direction: Length (in.) Twists (twist/ft)	
2.500 4.800	
Overall Cabling Color Code Chart:	
Number Color	
1 Black	
2 Red	
3 Brown 4 Blue	
	0.400 in
Overall Nominal Diameter:	0.188 in.
echanical Characteristics (Overall)	
Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	30 lbs/1000 ft.
Max. Recommended Pulling Tension:	89.500 lbs.
Min. Bend Radius/Minor Axis:	1.875 in.
nnlicable Specifications and Agency Complian	
oplicable Specifications and Agency Complian pplicable Standards & Environmental Programs	

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## **Detailed Specifications & Technical Data**



### ENGLISH MEASUREMENT VERSION

### 5302FL 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:	6302FL
Electrical Characteristics (Overall)	
Nom. Capacitance Conductor to Conductor:	
Capacitance (pF/ft) 27.000	
Nom. Capacitance Cond. to Other Conductor & Shield:	
Capacitance (pF/ft)	
48.500	
DCR @ 20°C (Ohm/1000 ft)   6.500	
Nominal Outer Shield DC Resistance:	
DCR @ 20°C (Ohm/1000 ft) 16.000	
Max. Operating Voltage - UL:	
Voltage 300 V RMS	
Max. Recommended Current:	
Current	
6.4 Amps per conductor @ 25°C	

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5302FL 002U1000	1,000 FT	32.000 LB	RED		4 #18 PO FS PVC

Revision Number: 1 Revision Date: 08-05-2013

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