

5020FL Multi-Conductor - Commercial Applications - 2 Conductors Cabled



For more Information
please call

1-800-Belden1



General Description:

Fire Alarm Cable, Riser-FPLR, 2-12 AWG solid bare copper conductors with polyolefin insulation, Overall Beldfoil® shield, PVC jacket with ripcord

Usage (Overall)

Suitable Applications:

Fire Protection, Alarm, Signal, Monitor/Detection, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	12	Solid	BC - Bare Copper

Total Number of Conductors:

2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PP - Polypropylene	0.010

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Outer Shield Material	Coverage (%)
Beldfoil®	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
20	(7x28)	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)
2.750	4.400

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter:

0.243 in.

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 56.800 lbs/1000 ft.

Max. Recommended Pulling Tension: 172 lbs.

Min. Bend Radius/Minor Axis: 2.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: FPLR

NEC Articles: 760

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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
Other Specification:	California State Fire Marshall

Flame Test

UL Flame Test:	UL1666 Vertical Shaft
CSA Flame Test:	FT4

Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6020FL

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/ft)
0.140

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
71.000

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
128.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
1.53

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
7.500

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
12 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5020FL 0021000	1,000 FT	59.000 LB	RED	C	2 #12 PP FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

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

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Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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