

5320FL Multi-Conductor - Commercial Applications - 2 Conductors Cabled



For more Information
please call

1-800-Belden1



General Description:

Fire Alarm Cable, Riser-FPLR, 2-18 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 | 18 | Solid | BC - Bare Copper |

Total Number of Conductors: 2

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|---------------------|----------------------|
| PP - Polypropylene | 0.007 |

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 |
|-----|-----------|-------------------------------|
| 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.) | Direction | Twists (twist/ft) |
|--------------|-----------|-------------------|
| 2.750 | Left Hand | 4.400 |

Overall Cabling Color Code Chart:

| Number | Color |
|--------|-------|
| 1 | Black |
| 2 | Red |

Overall Nominal Diameter: 0.147 in.

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 20 lbs/1000 ft.

Max. Recommended Pulling Tension: 53.200 lbs.

Min. Bend Radius/Minor Axis: 1.500 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 |

Flame Test

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

Plenum/Non-Plenum

| | |
|----------------|--------|
| Plenum Number: | 6320FL |
|----------------|--------|

Electrical Characteristics (Overall)

Nom. Inductance:

| |
|--------------------|
| Inductance (µH/ft) |
| 0.150 |

Nom. Capacitance Conductor to Conductor:

| |
|---------------------|
| Capacitance (pF/ft) |
| 55.000 |

Nom. Capacitance Cond. to Other Conductor & Shield:

| |
|---------------------|
| Capacitance (pF/ft) |
| 99.000 |

Nom. Conductor DC Resistance:

| |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 6.4 |

Nominal Outer Shield DC Resistance:

| |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 17.900 |

Max. Operating Voltage - UL:

| |
|-----------|
| Voltage |
| 300 V RMS |

Max. Recommended Current:

| Description | Current |
|----------------------|-----------------------------|
| 10C Temperature Rise | 5 Amps per conductor @ 25°C |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|-----------------|----------|-------------|--------|-------|-------------------|
| 5320FL D15U1000 | 1,000 FT | 18.000 LB | BLUE | | 2 #18 PP FS FRPVC |
| 5320FL D15I1000 | 1,000 FT | 18.000 LB | BLUE | C | 2 #18 PP FS FRPVC |
| 5320FL 002U1000 | 1,000 FT | 18.000 LB | RED | | 2 #18 PP FS FRPVC |
| 5320FL 002U500 | 500 FT | 9.500 LB | RED | | 2 #18 PP FS FRPVC |
| 5320FL 002I1000 | 1,000 FT | 18.000 LB | RED | C | 2 #18 PP FS FRPVC |
| 5320FL 003C500 | 500 FT | 8.000 LB | ORANGE | | 2 #18 PP FS FRPVC |
| 5320FL 004C500 | 500 FT | 8.000 LB | YELLOW | | 2 #18 PP FS FRPVC |
| 5320FL 004I1000 | 1,000 FT | 18.000 LB | YELLOW | | 2 #18 PP FS FRPVC |
| 5320FL 007I1000 | 1,000 FT | 18.000 LB | VIOLET | | 2 #18 PP FS FRPVC |

Notes:

C = CRATE REEL PUT-UP.

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Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.