

METRIC MEASUREMENT VERSION

5320UL 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, 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 |
|--------------|-----|-----------|--------------------|
| 2 | 18 | Solid | BC - Bare Copper |

Total Number of Conductors: 2

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (mm) |
|---------------------|---------------------|
| PP - Polypropylene | 0.178 |

Outer Shield

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.432 |

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Lay Length & Direction:

| Length (mm) | Direction | Twists (twist/m) |
|-------------|-----------|------------------|
| 76.200 | Left Hand | 13.124 |

Overall Cabling Color Code Chart:

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

Overall Nominal Diameter: 3.632 mm

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 23.662 Kg/Km

Max. Recommended Pulling Tension: 174.369 N

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Min. Bend Radius/Minor Axis: 38.100 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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): 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

Suitability

Suitability - Indoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 6320UL

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m)

0.52496

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

95.149

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

20.9984

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

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

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|-----------------|----------|-------------|--------|-------|----------------|
| 5320UL D15C500 | 500 FT | 7.500 LB | BLUE | | 2 #18 PP FRPVC |
| 5320UL D151000 | 1,000 FT | 16.000 LB | BLUE | C | 2 #18 PP FRPVC |
| 5320UL 001U1000 | 1,000 FT | 16.000 LB | BROWN | | 2 #18 PP FRPVC |
| 5320UL 002U1000 | 1,000 FT | 16.000 LB | RED | | 2 #18 PP FRPVC |
| 5320UL 002U500 | 500 FT | 8.500 LB | RED | | 2 #18 PP FRPVC |
| 5320UL 0021000 | 1,000 FT | 16.000 LB | RED | C | 2 #18 PP FRPVC |
| 5320UL 0041000 | 1,000 FT | 16.000 LB | YELLOW | | 2 #18 PP FRPVC |

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| | | | | | |
|-----------------|----------|-----------|-------------|--|----------------|
| 5320UL 0051000 | 1,000 FT | 16.000 LB | GREEN, DARK | | 2 #18 PP FRPVC |
| 5320UL 0091000 | 1,000 FT | 16.000 LB | WHITE | | 2 #18 PP FRPVC |
| 5320UL 010U1000 | 1,000 FT | 16.000 LB | BLACK | | 2 #18 PP FRPVC |
| 5320UL 0101000 | 1,000 FT | 16.000 LB | BLACK | | 2 #18 PP FRPVC |

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 08-09-2013

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