

5220UM Multi-Conductor - Commercial Applications - 2 Cond Cabled



For more Information
please call

1-800-Belden1

**General Description:**

16 AWG solid bare copper conductors, ceramifiable silicone insulation, FRPE (low smoke non-halogen) jacket, sequential footage marking every two feet.

Usage (Overall)**Suitable Applications:**

Survivability, Survivability from Attach by Fire, Fire Alarm Circuit Integrity, CI, Survivability by NFPA72, Sim to MI, Similar to Mineral Insulated, FPLR-CI, Emergency Circuits, Notification Devices, Fire Pumps, 2 hour fire rating

Physical Characteristics (Overall)**Conductor****AWG:**

# Conductors	AWG	Stranding	Conductor Material
2	16	Solid	BC - Bare Copper

Total Number of Conductors:

2

Insulation**Insulation Material:**

Insulation Material	Wall Thickness (in.)
Silicone Rubber	.034

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
FRPE - Flame Retardant Polyethylene	.045

Overall Cable**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red

Overall Nominal Diameter:

0.329 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +105°C

UL Temperature Rating: 105°C

Bulk Cable Weight: 52 lbs/1000 ft.

Max. Recommended Pulling Tension: 62.500 lbs.

Min. Bend Radius/Minor Axis: 3.500 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC(UL) Specification: FPLR-CI

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): 01/01/2005

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

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MII Order #39 (China RoHS):	Yes
Flame Test	
UL Flame Test:	UL1666 Riser, UL2196 Two Hour Circuit Integrity
Plenum/Non-Plenum	
Plenum (Y/N):	No

Electrical Characteristics (Overall)	
Nom. Capacitance Conductor to Conductor:	
Capacitance (pF/ft)	19
Nom. Conductor DC Resistance:	
DCR @ 20°C (Ohm/1000 ft)	4.0
Max. Operating Voltage - UL:	
Voltage	Description
300 V RMS	FPLR only applications
41 V RMS	CI applications

Put Ups and Colors:					
Item #	Putup	Ship Weight	Color	Notes	Item Desc

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