

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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