

5322UM Multi-Conductor - Commercial Applications



For more Information
please call

1-800-Belden1

**Description:**

18 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 |
|--------------|-----|-----------|--------------------|
| 4 | 18 | Solid | BC - Bare Copper |

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 Lay Length & Direction:**

| Length (in.) | Twists (ft.) |
|--------------|--------------|
| 4.0 | 3 |

Overall Cabling Color Code Chart:

| Number | Color |
|--------|---------|
| 1 | Black#1 |
| 2 | Black#2 |
| 3 | Black#3 |
| 4 | Black#4 |

Overall Nominal Diameter:

0.353 in.

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 105°C

Bulk Cable Weight: 65 lbs/1000 ft.

Max. Recommended Pulling Tension: 78.400 lbs.

Min. Bend Radius (Install)/Minor Axis: 3.500 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs****NEC/(UL) Specification:**

FPLR-CI

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| | |
|---------------------------------------|------------|
| NEC Articles: | 760 |
| 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 |
| 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)

17

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

5.86

Max. Operating Voltage - UL:

| Voltage | Description |
|-----------|------------------------|
| 300 V RMS | FPLR only applications |
| 41 V RMS | CI applications |

Related Documents:

No related documents are available for this product

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------------|----------|-------------|-------|-------|------------------|
| 5322UM 0021000 | 1,000 FT | 73.000 LB | RED | C | 4 #18 SIL FRNHPO |

Notes:

C = CRATE REEL PUT-UP.

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