

## 5000UZ Multi-Conductor - Circuit Integrity in a Conduit



For more Information  
please call

1-800-Belden1



### Description:

12 AWG stranded (7x20) bare copper conductors, ceramifiable silicone insulation, FRPE (low smoke non-halogen) jacket. Sequential footage marking every two feet.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
2	12	7x20	BC - Bare Copper

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (in.)
Silicone Rubber	.035

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
FRPE - Flame Retardant Polyethylene	.056

#### Overall Cable

##### Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 0.440 in.

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 105°C

Bulk Cable Weight: 99 lbs/1000 ft.

Max. Recommended Pulling Tension: 158 lbs.

Min. Bend Radius (Install)/Minor Axis: 4.400 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: FPLR, Electrical Circuit Protective Systems (FHIT #30)

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): 11/14/2005

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

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

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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 (in conduit only)

### 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)

1.6

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

### Notes (Overall)

**Notes:** UL 2196 (2 Hour Flame Rated) - Only when installed in conduit per FHIT #30 of the UL fire resistance directory.

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5000UZ 0021000	1,000 FT	105.000 LB	RED	C	2 #12 SIL FRNHPO

#### Notes:

C = CRATE REEL PUT-UP.

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