

5020UZ Multi-Conductor - Circuit Integrity in a Conduit

For more Information
please call

1-800-Belden1

**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	12	Solid	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:

0.420 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +105°C
UL Temperature Rating:	105°C
Bulk Cable Weight:	93 lbs/1000 ft.
Max. Recommended Pulling Tension:	158 lbs.
Min. Bend Radius (Install)/Minor Axis:	4.200 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

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EU RoHS Compliance Date (mm/dd/yyyy):	11/14/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Flame Test

UL Flame Test:	UL1666 Riser, UL2196 Two Hour Circuit Integrity (in conduit only)
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Plenum/Non-Plenum

Plenum (Y/N):	No
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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
5020UZ 0021000	1,000 FT	101.000 LB	RED		2 #12 SIL FRNHPO

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