

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

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

For more Information
please call

1-800-Belden1



General 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

Total Number of Conductors:

2

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:

0.438 in.

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 105°C

Bulk Cable Weight: 9 lbs/1000 ft.

Max. Recommended Pulling Tension: 158 lbs.

Min. Bend Radius/Minor Axis: 4.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: FPLR

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): 11/14/2005

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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

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 FHT #30 of the UL fire resistance directory.

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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