

5100UZ Multi-Conductor - Circuit Integrity in a Conduit



For more Information
please call

1-800-Belden1



General Description:

14 AWG stranded (7x22) bare copper conductors, ceramifiable silicone insulation, FRPE (low smoke non-halogen) jacket. Sequential footage marking every two feet.

Usage (Overall)

Suitable Applications: Circuit Integrity, CIC, EVAC Systems, Emergency Systems, 2 hr Rated Cables, Survivability Cables

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	14	7x22	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: 0.404 in.

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 105°C

Bulk Cable Weight: 78 lbs/1000 ft.

Max. Recommended Pulling Tension: 100 lbs.

Min. Bend Radius/Minor Axis: 4.250 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 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

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

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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)

18

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.5

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.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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