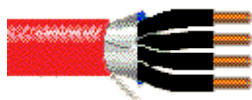


## 5122FZ Multi-Conductor - Circuit Integrity in a Conduit



For more Information  
please call

1-800-Belden1

**Description:**

14 AWG solid bare copper conductors, ceramifiable silicone rubber insulation, Beldfoil® shield, drain wire, 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	14	Solid	BC - Bare Copper

**Insulation****Insulation Material:**

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

**Outer Shield****Outer Shield Material:**

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

**Outer Shield Drain Wire AWG:**

AWG	Stranding	Drain Wire Conductor Material
16	7x24	TC - Tinned Copper

**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#1
2	Black#2
3	Black#3
4	Black#4

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: 133 lbs/1000 ft.

Max. Recommended Pulling Tension: 207 lbs.

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

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

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

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.

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5122FZ 0021000	1,000 FT	138.000 LB	RED		4 #14 SIL FS FRNHPO

Revision Number: 1 Revision Date: 09-18-2008

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## 5122FZ Multi-Conductor - Circuit Integrity in a Conduit

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