

5220UN Multi-Conductor - NPLF Systems - 2 Conductors Cabled



For more Information
please call

1-800-Belden1

**General Description:**

Fire Alarm Cable, Rated-NPLF, 2-16 AWG solid bare copper conductors with PVC/Nylon insulation, PVC jacket with ripcord

Usage (Overall)

Suitable Applications: Fire Alarm, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits, Non-Power Limited Fire Alarm Cable

Physical Characteristics (Overall)**Conductor**

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	16	Solid	BC - Bare Copper

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC/Nylon - Polyvinyl Chloride/Nylon	.021

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.037

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Lay Length & Direction:

Length (in.)	Twists (twist/ft)
3	4.4

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 0.262 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	35 lbs/1000 ft.
Max. Recommended Pulling Tension:	62.400 lbs.
Min. Bend Radius/Minor Axis:	2.500 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	NPLF
NEC Articles:	760
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes

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EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 07/01/2005

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: UL1685 UL Loading

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/ft)

.19

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

25

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.0

Max. Operating Voltage - UL:

Voltage

150 V RMS

Max. Recommended Current:

Current

6.3 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5220UN 0021000	1,000 FT	40.000 LB	RED		2 #16 PVC/NYL FRPVC
5220UN 002500	500 FT	22.000 LB	RED		2 #16 PVC/NYL FRPVC

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