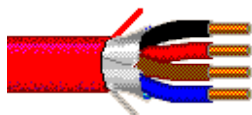


5222FN Multi-Conductor - NPLF Systems



For more Information
please call

1-800-Belden1

**Description:**

16 AWG bare copper conductors, PVC/Nylon insulation, cabled together, PVC jacket with ripcord, sequential footage marking every two feet.

Usage (Overall)**Suitable Applications:**

Fire Alarm, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits, Non-Power Limited Signaling Cable

Physical Characteristics (Overall)**Conductor****AWG:**

# Conductors	AWG	Stranding	Conductor Material
4	16	Solid	BC - Bare Copper

Insulation**Insulation Material:**

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

Outer Shield**Outer Shield Material:**

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

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
20	7x28	TC - Tinned Copper

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.042

Outer Jacket Ripcord:

Yes

Overall Cable**Overall Cabling Lay Length & Direction:**

Length (in.)	Twists (ft.)
4	3.0

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	Brown
4	Blue

Overall Nominal Diameter:

0.315 in.

Mechanical Characteristics (Overall)**Operating Temperature Range:**

-20°C To +75°C

UL Temperature Rating:

75°C

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Bulk Cable Weight:	69.700 lbs/1000 ft.
Max. Recommended Pulling Tension:	138.800 lbs.
Min. Bend Radius (Install)/Minor Axis:	3.250 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	NPLF
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):	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
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Suitability

Suitability - Indoor:	Yes
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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)
33

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
59.3

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
3.93

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
6.9

Max. Operating Voltage - UL:

Voltage
150 V RMS

Max. Recommended Current:

Current
5 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5222FN 0021000	1,000 FT	76.000 LB	RED		4 #16 PVC/NYL FS FRPVC

Revision Number: 1 Revision Date: 05-14-2007

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