

5020FN Multi-Conductor - NPLF Systems - 2 Conductors Cabled



For more Information
please call

1-800-Belden1

**Description:**

12 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
2	12	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.)
3.25	3.74

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter:

0.337 in.

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

-20°C To +75°C

UL Temperature Rating:

75°C

Bulk Cable Weight:

73.400 lbs/1000 ft.

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Max. Recommended Pulling Tension:	172 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. Inductance:**

Inductance (μH/ft)
.16

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
66.9

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
120.4

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
1.58

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
12 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

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Item #	Putup	Ship Weight	Color	Notes	Item Desc
5020FN 002500	500 FT	43.000 LB	RED		2 #12 PVC/NYL FS FRPVC

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