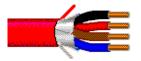
# **Detailed Specifications & Technical Data**

**ENGLISH MEASUREMENT VERSION** 



## 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.

Yes

## **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	<b>Drain Wire Conductor Materia</b>	
20	7x28	TC - Tinned Copper	

### **Outer Jacket**

**Outer Jacket Material:** 

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

Outer Jacket Ripcord:

### **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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# **Detailed Specifications & Technical Data**

### **ENGLISH MEASUREMENT VERSION**



## 5222FN Multi-Conductor - NPLF Systems

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**

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			
Suitability				
Suitability - Indoor:	Yes			
Plenum/Non-Plenum				
Plenum (Y/N):	No			

## **Electrical Characteristics (Overall)**

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

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

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## **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



## 5222FN Multi-Conductor - NPLF Systems

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

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