



Product: 5122FN

Fire Alarm, #14-4c BC, Shielded, NPLF

Product Description

Fire Alarm Cable, Rated-NPLF, 4-14 AWG solid bare copper conductors with PVC/nylon insulation, overall Beldfoil® shield, PVC jacket with ripcord

Technical Specifications

Product Overview

Suitat	le Applicatio	ns:	Fire Alarm, Non-	Power Limited, (Circuits: Audio, Contro	I, Initiating, Notifica	ation, Noisy Environment
Phys	ical Char	acteristics	(Overall)				
Condu	ctor						
AWG	Stranding	Material	No. of Conducto	ors			
14	Solid	BC - Bare Cop	per 4				
Condu	uctor Count:		4				
nsulat	ion						
	Ma	terial	Nominal Wall T	hickness			
PVC/N	lylon - Polyv	inyl Chloride + N	lylon 0.021 in				
Numb 1	er Color Black						
2	Red						
3	Brown						
4	Blue						
Duter \$	Shield						
Туре	Mat	erial I	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x
	Bi-Laminate (Alum+Poly		Beldfoil®	100%	TC - Tinned Copper	20	Solid
Tape		/					
	Jacket	,					

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.348 in	0.042 in	Yes

Construction and Dimensions

Cabling

Twists

3 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
2.46 Ohm/1000ft	6.9 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
37.7 pF/ft	67.9 pF/ft

Current

Max. Recommended Current [A]
6.4 Amps per Conductor at 25°C

Voltage

UL Voltage Rating 150 V RMS

Temperature Range

UL Temp Rating:	75°C
Operating Temperature Range:	-20°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	93.9 lbs/1000ft
Max. Pull Tension:	212.8 lbs
Min. Bend Radius/Minor Axis:	3.5 in

Standards

NEC Articles:	Article 760
NEC/(UL) Compliance:	NPLF

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
UL voltage rating:	150 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No

Related Part Numbers

Item #	Color	UPC
5122FN 0021000	Red	612825157052
5122FN 002500	Red	612825157069

History

Update and Revision: Revision Number: 0.312 Revision Date: 05-05-2023

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5122FN 002500 5122FN 0021000