Belden



Product: 6320UL

Fire Alarm, #18-2c BC, FPLP

Product Description

Fire Alarm Cable, Plenum-FPLP, 2-18 AWG solid bare copper conductors with Flamarrest® insulation, Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Fire Alarm, Monitor/Detection, Circuits: Audio, Control, Initiating, Notification

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	18 AWG	Solid	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.008 in (0.20 mm)	0.057 in (1.4 mm)	Black, Red

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.144 in (3.66 mm)	Yes

Overall Cable Diameter (Nominal):	0.144 in (3.66 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Inductance	Max. Current
Conductor(s)	6.4 Ohm/1000ft	31 pF/ft (100 pF/m)	0.15 µH/ft (0.49 µH/m)	14 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	0°C to +75°C

Bend Radius

Stationary Min.	Installation Min.
1.15 in (29.2 mm)	1.15 in (29.2 mm)

Max. Pull Tension:	39 lbs (18 kg)
Bulk Cable Weight:	15 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262, UL 910 (Plenum)
NEC / UL Compliance:	Article 760, FPLP
European Directive Compliance:	EU CE Mark
Other Standard Compliance(s):	California State Fire Marshall
Non-Plenum Number:	5320UL

History

Update and Revision:	Revision Number: 0.500 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	UPC	Footnote
6320UL 0101000	Black	612825175919	
6320UL 010C500	Black	612825175896	
6320UL 010U1000	Black	612825175902	
6320UL D15C500	Blue	612825175766	
6320UL 0051000	Green, Dark	612825175841	
6320UL 005U1000	Green, Dark	612825175834	
6320UL 0031000	Orange	612825175810	
6320UL 003U1000	Orange	612825175803	
6320UL 012U1000	Pink	612825175926	
6320UL 0021000	Red	612825175797	C
6320UL 002U1000	Red	612825175773	
6320UL 002U500	Red	612825175780	
6320UL 007C500	Violet	612825175858	
6320UL 007U1000	Violet	612825175865	
6320UL 009C500	White	612825175872	
6320UL 009U1000	White	612825175889	
6320UL 004U1000	Yellow	612825175827	

Footnote:	C - CRATE REEL PUT-UP.

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