Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

6120UL Multi-Conductor - Commercial Applications - 2 Conductors Cabled

For more Information please call

1-800-Belden1

General Description:

Fire Alarm Cable, Plenum-FPLP, 2-14 AWG solid bare copper conductors with Flamarrest® insulation, Flamarrest®jacket with ripcord

Usage (Overall)

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

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	14	Solid	BC - Bare Copper

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.010

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	.015

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Lay Length & Direction:

Length (in.)	Twists (twist/ft)
3.25	3.7

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 0.201 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	0°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	35 lbs/1000 ft.
Max. Recommended Pulling Tension:	99.400 lbs.

Min. Bend Radius/Minor Axis:	2 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	FPLP
NEC Articles:	760
EU Directive 2011/65/EU (ROHS II):	Yes
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):	04/01/2005
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
Other Specification:	California State Fire Marshall

Flame Test

UL Flame Test:	NFPA 262

Suitability

Suitability - Indoor:	Yes

Plenum/Non-Plenum

Non-Plenum Number:	5120UL

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
37.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
2.43

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Description	Current
10C Temperature Rise	8 Amps per conductor @ 25°C ambient

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6120UL D151000	1,000 FT	37.000 LB	BLUE	C	2 #14 FLRST FLRST
6120UL 0011000	1,000 FT	37.000 LB	BROWN		2 #14 FLRST FLRST
6120UL 0021000	1,000 FT	38.000 LB	RED	C	2 #14 FLRST FLRST
6120UL 002500	500 FT	19.000 LB	RED		2 #14 FLRST FLRST
6120UL 0101000	1,000 FT	37.000 LB	BLACK		2 #14 FLRST FLRST

Notes:
C = CRATE REEL PUT-UP.

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