Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



6220UL Multi-Conductor - Commercial Applications - 2 Conductors Cabled



For more Information please call

1-800-Belden1



General Description:

Fire Alarm Cable, Plenum-FPLP, 2-16 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 16 Solid BC - Bare Copper

Total Number of Conductors:

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.203

Outer Shield

Outer Shield Material:

Outer Shield Material Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.381
Outon Includ Bloomid		V

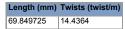
Outer Jacket Ripcord:

Yes

2

Overall Cable

Overall Cabling Lay Length & Direction:



Overall Cabling Color Code Chart:

Number	Colo	
1	Black	
2	Red	

Overall Nominal Diameter:

4.216 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	0°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	34.973 Kg/Km
Max. Recommended Pulling Tension:	277.568 N
Min. Bend Radius/Minor Axis:	41.275 mm

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

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	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
Fla	me Test	
	UL Flame Test:	NFPA 262
Ple	num/Non-Plenum	
	Plenum (Y/N):	Yes
	Non-Plenum Number:	5220UL

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m) 0.49215

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 121.397

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 12.6319

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

6.3 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6220UL D15U1000	1,000 FT	24.000 LB	BLUE		2 #16 FLRST FLRST
6220UL D151000	1,000 FT	24.000 LB	BLUE		2 #16 FLRST FLRST
6220UL 001U1000	1,000 FT	24.000 LB	BROWN		2 #16 FLRST FLRST
6220UL 002A1000	1,000 FT	26.000 LB	RED		2 #16 FLRST FLRST
6220UL 002U1000	1,000 FT	24.000 LB	RED		2 #16 FLRST FLRST
6220UL 0021000	1,000 FT	24.000 LB	RED	С	2 #16 FLRST FLRST
6220UL 002500	500 FT	12.000 LB	RED		2 #16 FLRST FLRST
6220UL 003C500	500 FT	11.000 LB	ORANGE		2 #16 FLRST FLRST
6220UL 003U1000	1,000 FT	24.000 LB	ORANGE		2 #16 FLRST FLRST
6220UL 004C500	500 FT	11.000 LB	YELLOW		2 #16 FLRST FLRST
6220UL 004U1000	1,000 FT	24.000 LB	YELLOW		2 #16 FLRST FLRST
6220UL 0041000	1,000 FT	24.000 LB	YELLOW		2 #16 FLRST FLRST
6220UL 007U1000	1,000 FT	24.000 LB	VIOLET		2 #16 FLRST FLRST
6220UL 0091000	1,000 FT	24.000 LB	WHITE		2 #16 FLRST FLRST
6220UL 0101000	1,000 FT	24.000 LB	BLACK		2 #16 FLRST FLRST

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 03-13-2013

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product. Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

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