Detailed Specifications & Technical Data

ENGLISH 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
2	16	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	0.008

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)
2.75	4.4

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter:	0.166 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	0°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	23.500 lbs/1000 ft.
Max. Recommended Pulling Tension:	62.400 lbs.
Min. Bend Radius/Minor Axis:	1.625 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

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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

Flame Test

UL Flame Test:	NFPA 262

Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	5220UL

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/ft)
.15

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
37.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
3.85

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

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	C	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.

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