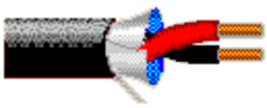
Product: 1321SB



Fire Alarm, #16-2c, LSZH Jacket, CMG-LS, FPLR, Shipboard ABS Type Approved

Product Description

16 AWG solid bare copper conductors, ceramifiable silicone insulation, Beldfoil® shield, drain wire, LSZH jacket.

Technical Specifications

Product Overview

Suitable Applications:	Fire Alarm, Shipboard, Low Smoke

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
16	Solid	BC - Bare Copper	0.0519 in	2

Conductor Count:	2

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
Silicone Rubber	0.12 in	0.034 in

Color Chart

Number	Color
1	Black
2	Red

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	0.036 in	20	7x28

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen flame retardant	0.337 in	0.045 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR
4 Ohm/1000ft	4 Ohm/1000ft	8.2 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
31 pF/ft	52 pF/ft

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	105°C
Operating Temp Range:	-20°C To +105°C

Mechanical Characteristics

Bulk Cable Weight:	55 lbs/1000ft
Max Recommended Pulling Tension:	62.4 lbs
Min Bend Radius/Minor Axis:	3.5 in

Standards

NEC Articles:	760, 800
NEC/(UL) Specification:	CMG-LS, FPLR
CEC/C(UL) Specification:	CMG
IEEE Specification:	Std. 45 clause 23
Other Specification:	UL444, UL1424, ABS Type Approval Certificate 06-HS184641F

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Riser
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2006-08-07
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 FT4 Loading, Limited Smoke
CSA Flammability:	FT4
ISO/IEC Flammability:	60332-1, 60331-23, 60332-3-22 (Category A)
IEEE Flammability:	1202
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No

Part Number

Variants

Item #	Color	Putup Type	Length	UPC
1321SB 0101000	Black	Reel	1,000 ft	612825111870
1321SB 0021000	Red	Reel	1,000 ft	612825111863

Footnote:	C - CRATE REEL PUT-UP.

History

Update and Revision:	Revision Number: 0.252 Revision Date: 04-28-2020

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