
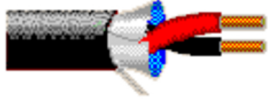


Product: [1321SB](#) 



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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