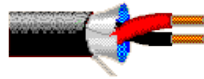


## 1320SB Multi-Conductor - ABS Type Approved Fire Alarm Cable



For more Information  
please call

1-800-Belden1



### General Description:

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

### Usage (Overall)

**Suitable Applications:** ABS Type Approved, Fire Alarm, Shipboard, FPLR, CMG-LS, IEEE 45 clause 23, IEC 60092-376 clause 17, 60092-351, 60754-1, 60754-2, 61034, UL1685 FT4 Loading, Limited Smoke, IEC 60332-3-22 (Category A), 60332-1, 60331-23

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	18	Solid	BC - Bare Copper

**Total Number of Conductors:** 2

#### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Silicone Rubber	2.769

#### Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Polyester Tape-Aluminum Foil	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
20	7x28	TC - Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
LSZH - Low Smoke Zero Halogen

#### Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

**Overall Nominal Diameter:** 7.976 mm

### Mechanical Characteristics (Overall)

<b>Operating Temperature Range:</b>	-20°C To +105°C
<b>UL Temperature Rating:</b>	105°C
<b>Bulk Cable Weight:</b>	68.457 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	174.369 N
<b>Min. Bend Radius/Minor Axis:</b>	82.550 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	CMG-LS, FPLR
<b>NEC Articles:</b>	760, 800
<b>CEC/C(UL) Specification:</b>	CMG
<b>EU Directive 2011/65/EU (ROHS II):</b>	Yes
<b>IEEE Specification:</b>	Std. 45 clause 23

## 1320SB Multi-Conductor - ABS Type Approved Fire Alarm Cable

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):	08/07/2006
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:	UL444, UL1424, ABS Type Approval Certificate 06-HS184641F

### Flame Test

UL Flame Test:	UL1685 FT4 Loading, Limited Smoke
CSA Flame Test:	FT4
IEC Flame Test:	60332-1, 60331-23, 60332-3-22 (Category A)
IEEE Flame Test:	1202

### Suitability

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

### Plenum/Non-Plenum

Plenum (Y/N):	No
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### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

91.868

#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

170.612

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

21.6546

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

26.9042

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1320SB 0021000	1,000 FT	50.000 LB	RED	C	1 FS PR #18 SIL FRNHPO
1320SB 0101000	1,000 FT	50.000 LB	BLACK	C	1 FS PR #18 SIL FRNHPO

#### Notes:

C = CRATE REEL PUT-UP.

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.