
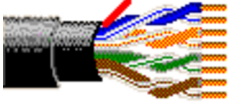


**Product:** [1318SB](#) 



Upjacketed Category 5e, #24-4pr, LSZH Jacket, CMG-LS, Shipboard ABS Type Approved

**Product Description**

24 AWG solid bare copper conductors, polyolefin insulation, rip cord, see color code chart (below), LSZH jacket. Descending footage marked every two feet.

**Technical Drawing**



**Technical Specifications**

**Product Overview**

Suitable Applications:	Premise Horizontal Cable, Gigabit Ethernet, 100BaseTX, 100BaseVG ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU, Digital Video, RS-422
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**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Pairs
24	Solid	BC - Bare Copper	4

Conductor Count:	8
Total Number of Pairs:	4

**Insulation**

Material	
PO - Polyolefin	
Bonded-Pair:	N/A

**Color Chart**

Number	Color
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

#### Inner Jacket

Material	Nominal Diameter	Ripcord
PE - Polyethylene	0.255 in	Yes

#### Outer Shield

Material
No Shield

#### Outer Jacket

Material	Nominal Diameter	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.308 in	No

## Electrical Characteristics

#### Conductor DCR

Max. Conductor DCR	Max. DCR Unbalance
93.8 Ohm/km	3 %

#### Capacitance

Max. Capacitance Unbalance	Nom. Mutual Capacitance
330	15 pF/ft

#### Delay

Frequency [MHz]	Max. Delay	Max. Delay Skew	Nominal Velocity of Propagation (VP) [%]
100 MHz	538 ns/100m	45 ns/100m	70%

#### High Frequency

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. NEXT [dB]	Min. PSNEXT [dB]	Min. ACR [dB]	Min. PSACR [dB]	Min. ACRF (ELFEXT) [dB]	Min. PSACRF (PSELFEXT) [dB]	Min. RL (Return Loss) [dB]	Min. SRL (Structural Return Loss)	Max./Min. Input Impedance (unFitted)	Max./Min. Fitted Impedance
1 MHz	2 dB/100m	65.3 dB	62.3 dB	63 dB	60.3 dB	63.8 dB	60.8 dB	20 dB	23 dB	100 ± 15	100 ± 15
4 MHz	4.1 dB/100m	56.3 dB	53.3 dB	51 dB	49.2 dB	51.7 dB	48.7 dB	23 dB	23 dB	100 ± 15	100 ± 15
8 MHz	5.8 dB/100m	51.8 dB	48.8 dB	46 dB	43 dB	45.7 dB	42.7 dB	24.5 dB	24.5 dB	100 ± 15	100 ± 15
10 MHz	6.5 dB/100m	50.3 dB	47.3 dB	43 dB	40.8 dB	43.8 dB	40.8 dB	25 dB	25 dB	100 ± 15	100 ± 15
16 MHz	8.2 dB/100m	47.3 dB	44.3 dB	39 dB	36 dB	39.7 dB	36.7 dB	25 dB	25 dB	100 ± 15	100 ± 15
20 MHz	9.3 dB/100m	45.8 dB	42.8 dB	36.5 dB	33.5 dB	37.7 dB	34.7 dB	25 dB	25 dB	100 ± 15	100 ± 15
25 MHz	10.4 dB/100m	44.3 dB	41.3 dB	33.9 dB	30.9 dB	35.8 dB	32.8 dB	24.3 dB	24.3 dB	100 ± 15	100 ± 15
31.25 MHz	11.7 dB/100m	42.9 dB	39.9 dB	31 dB	28.2 dB	33.9 dB	30.9 dB	23.6 dB	23.6 dB	100 ± 15	100 ± 15
62.5 MHz	17 dB/100m	38.4 dB	35.4 dB	22 dB	19 dB	27.8 dB	24.9 dB	21.5 dB	21.5 dB	100 ± 15	100 ± 15
100 MHz	22 dB/100m	35.3 dB	32.3 dB	14 dB	10.3 dB	23.8 dB	20.8 dB	20.1 dB	20.1 dB	100 ± 15	100 ± 15
155 MHz	28.1 dB/100m	32.5 dB	29.5 dB	4.4 dB	1.4 dB	19.9 dB	16.9 dB	15.8 dB		100 ± 25	100 ± 15
200 MHz	32 dB/100m	30.8 dB	27.8 dB	4 dB	1 dB	17.7 dB	14.7 dB	15 dB		100 ± 25	100 ± 15

#### Voltage

UL Voltage Rating
300 V RMS

## Temperature Range

Storage Temperature Range:	-30°C To +105°C
Operating Temperature Range:	-30°C To +105°C

## Mechanical Characteristics

Bulk Cable Weight:	44 lbs/1000ft
Max. Pull Tension:	35 lbs
Min. Bend Radius/Minor Axis:	3 in

## Standards

NEC/(UL) Compliance:	CMG-LS
CEC/C(UL) Compliance:	CMG-ST1
CPR Euroclass:	Eca
IEEE Compliance:	Std. 45 clause 23
Other Specification:	NEMA WC-63.1 Category 5e, UL 444, ABS certificate 18-HS1803790-PDA

## Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor - Euroclass Eca
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

## Suitability

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

## Flammability, LSOH, Toxicity Testing

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

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Related Part Numbers

### Variants

Item #	Color	Put-Up Type	Length	UPC
1318SB 0101000	Black	Reel	1,000 ft	612825111818

Footnote:	C - CRATE REEL PUT-UP.
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## Product Notes

Notes:	Electrical values are expected performance based on cable testing and representative performance within a typical Belden system. RJ-45 Compatible. Jacket marked with descending footage at 2 ft. intervals.
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## History

Update and Revision:	Revision Number: 0.358 Revision Date: 04-08-2022
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