



Product: [1306SB](#)

Composite Shipboard, 18 AWG Coax Video, 1 PR 18 AWG Power

Product Description

Composite Shipboard, 18 AWG Coax BC, BC Braid Shield 95% coverage, FPE insulation for video and 1 PR 18 AWG BC, stranded (7x26), PP insulation for power, overall CMG-LS rating, LSZH jacket.

Technical Specifications

Product Overview

Suitable Applications:	Surveillance, CCTV Camera, PTZ (Pan-Tilt-Zoom), Shipboard, Low Smoke
------------------------	--

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors	No. of Coax
18	Solid	BC - Bare Copper	0.04 in		1
18	7x26	BC - Bare Copper	0.046 in	2	

Conductor Count:	3
------------------	---

Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.18 in
PP - Polypropylene	0.058 in

Color Chart

Number	Color
1	Black and Red

Inner Shield Material

Type	Material	Coverage [%]
Braid	Bare Copper (BC)	95%

Outer Shield Material

Type	Layer	Material	Coverage [%]
Braid	1	Bare Copper (BC)	95%

Outer Jacket Material

Material	Nominal Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.275x0.514 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Inner Shield DCR	Outer Conductor DCR
6.4 Ohm/1000ft	6.4 Ohm/1000ft		3.1 Ohm/1000ft	3.1 Ohm/1000ft
6.4 Ohm/1000ft				

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
24 pF/ft	16.3 pF/ft

Operating Voltage:	300 V RMS
--------------------	-----------

Inductance

Nominal Inductance
0.097 μ H/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.2 dB/100ft
5 MHz	0.45 dB/100ft
10 MHz	0.64 dB/100ft
50 MHz	1.46 dB/100ft
100 MHz	2.1 dB/100ft
200 MHz	3.0 dB/100ft
400 MHz	4.3 dB/100ft
700 MHz	5.8 dB/100ft
900 MHz	6.7 dB/100ft
1000 MHz	7.1 dB/100ft

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.24 ns/ft	82%

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Operating Temp Range:	-30°C To +75°C
-----------------------	----------------

Mechanical Characteristics

UV Resistance:	Yes - Black only
Bulk Cable Weight:	67 lbs/1000ft
Max. Pull Tension:	114 lbs
Min Bend Radius/Minor Axis:	2.75 in

Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CMG-LS
CEC/C(UL) Compliance:	CMG-LS
CPR Euroclass:	Fca
IEEE Compliance:	Std. 45 Clause 23
RG Type:	6
Other Compliance:	UL444, ABS Type Approval Certificate 15-VS1420030

Applicable Environmental and Other Programs

Environmental Space:	Outdoor - Aerial
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:	Yes
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-08-01

MII Order #39 (China RoHS):	Yes
-----------------------------	-----

Suitability

Suitability - Aerial:	Yes - Black only, when supported by messenger wire
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only
Suitability - Sunlight Resistance:	No

Flammability, LS0H, 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
---------------	----

Part Number

Variants

Item #	Color	Putup Type	Length	UPC
1306SB 010500	Black	Reel	500 ft	612825111238
1306SB 0101000	Black	Reel	1,000 ft	612825111221

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

Product Notes

Notes:	Coax jacket diameter: .274 in, Pair jacket diameter: .204 in
--------	--

History

Update and Revision:	Revision Number: 0.244 Revision Date: 02-16-2021
----------------------	--

© 2021 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.