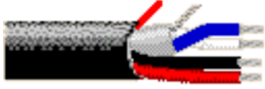


Part Number: 1502SB

Media Control, #18-2c TC, #22-1pr TC, LSZH Jacket, CMG-LS



Product Description

Multimedia Control Cable, Rated-CMG-LS, 2-22 AWG stranded tinned copper pairs (data) with Datalene® insulation, Beldfoil® shield, drain, 1-18 AWG stranded tinned copper pair with polypropylene insulation, unshielded, LSZH jacket

Technical Specifications

Product Overview

Environmental Space:	Indoor - Euroclass Cca
Suitable Applications:	ABS Type Approved, Shipboard, Multi-Media Control, RS-422, RS-232, 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

Element	AWG	Stranding	Material	Nominal Diameter	No. of Conductors	No. of Pairs
22 AWG	22	7x30	TC - Tinned Copper	0.0285 in	2	
18 AWG	18	16x30	TC - Tinned Copper	0.047 in		1

Conductor Count:	4
------------------	---

Insulation

Element	Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
18	HDFPE - High Density Foam Polyethylene	Datalene®	0.061 in	0.007 in
22	PP - Polypropylene		0.0685 in	0.020 in

Color Chart

Number	Color
1	Blue & White
2	Red & Black

Inner Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG	Drainwire Construction n x D
Tape	22 AWG Pair	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	0.024 in	24	
								7x32 mm

Outer Shield Material

Material
Unshielded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
LSZH - Low Smoke Zero Halogen	0.255 in	0.045 in	Yes

Electrical Characteristics

Conductor DCR

Element	Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance
22 AWG	16.3 Ohm/1000ft	16.3 Ohm/1000ft	
18 AWG	6.9 Ohm/1000ft	6.9 Ohm/1000ft	

Capacitance

Element	Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
22 AWG Pair	14 pF/ft	38 pF/ft
22 AWG Pair		

Inductance

Element	Nominal Inductance
22 AWG	0.232 μ H/ft
18 AWG	0.168 μ H/ft

Impedance

Nominal Balanced Characteristic Impedance Description	Nominal Characteristic Impedance	Nominal Characteristic Impedance Description
22 AWG Pair	100 Ohm	22 AWG Pair

Current

Max. Recommended Current [A]
3.8 Amps per conductor @ 25°C (22 AWG)

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Non-UL Temp Rating:	75°C
Operating Temp Range:	-30°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	39 lbs/1000ft
Max Recommended Pulling Tension:	59.8 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

NEC/(UL) Specification:	CMG-LS
CEC/C(UL) Specification:	CMG-LS
CPR Euroclass:	Cca-s1,d1,a1
IEEE Specification:	Std. 45 clause 23
Other Specification:	UL444, ABWS Type Approval Certificate 06-HS184641C

Applicable Environmental and Other Programs

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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

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

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 FT4 Loading, Limited Smoke
CSA Flammability:	FT4
ISO/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	UPC	Length	Footnote
1502SB 0101000	Black	612825116028	1,000 ft	C

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

Product Notes

Notes:	Sequential footage marking every two feet.
--------	--

History

Update and Revision:	Revision Number: 0.253 Revision Date: 10-04-2019
----------------------	--

© 2019 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.