
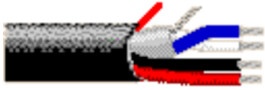


Product: [1502SB](#) 



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

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
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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
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Insulation

Element	Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
18 AWG	PE - Polyethylene (Foam)	Datalene®	0.061 in	0.007 in
22 AWG	PP - Polypropylene		0.0685 in	0.020 in

Color Chart

Number	Color
1	Blue & White
2	Red & Black

Inner Shield

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG	Drainwire Construction n x D
Tape	22 AWG Pair	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	0.024 in	24	
								7x32

Outer Shield

Material
No Shield

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	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(s)	14 pF/ft	38 pF/ft
22 AWG Pair(s)		

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 at 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. Pull Tension:	59.8 lbs
Min. Bend Radius/Minor Axis:	2.5 in

Standards

NEC/(UL) Compliance:	CMG-LS
CEC/C(UL) Compliance:	CMG-ST1
CPR Euroclass:	Dca-s1,d1,a1
IEEE Compliance:	Std. 45 clause 23
Other Specification:	UL444, ABWS Type Approval Certificate 06-HS184641C

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Dca
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 - Non-Halogenated:	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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Part Number

Variants

Item #	Color	Put-Up Type	Length	UPC
1502SB 0101000	Black	Reel	1,000 ft	612825116028

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.359 Revision Date: 12-15-2021
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