



Product: [1502ELW](#)

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

Product Description

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

Technical Specifications

Product Overview

Suitable Applications:	Multi-Media Control, RS-422, RS-232, 60754-1, 60754-2, 61034, Limited Smoke, IEC 60332-1-2, Cca
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Physical Characteristics (Overall)

Conductor

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

Conductor Count:	4
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Insulation

Element	Material	Material Trade Name	Nominal Diameter
18 AWG	LSZH - Low Smoke Zero Halogen (Flame Retardant)	Datalene®	2.0 mm
22 AWG	LSZH - Low Smoke Zero Halogen (Flame Retardant)		1.74 mm

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	0.6 mm	24	
								7x32

Outer Shield

Material
No Shield

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	7.9 mm	1.15 mm	Yes

Electrical Characteristics

Conductor DCR

Element	Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance
22 AWG	53.5 Ohm/km	53.5 Ohm/km
18 AWG	22.6 Ohm/km	22.6 Ohm/km

Capacitance

Element	Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
22 AWG Pair(s)	46 pF/m	125 pF/m
22 AWG Pair(s)		

Inductance

Element	Nominal Inductance
22 AWG	0.76 µH/m
18 AWG	0.55 µH/m

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

Voltage Rating [V]
300 V

Temperature Range

Operating Temperature Range:	-30°C To +80°C
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Mechanical Characteristics

Min. Bend Radius/Minor Axis:	65 mm
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Standards

CPR Euroclass:	Cca-s1,d1,a1
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Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Cca
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

Suitability

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

Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
IEC 60754-1 - Halogen Amount:	Zero
IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity:	2.5 µS/mm
IEC 60754-2 - Halogen Acid Gas Amount - Min. pH:	4.3

Plenum/Non-Plenum

Plenum (Y/N):	No
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History

Update and Revision:	Revision Number: 0.92 Revision Date: 09-24-2024
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