



Product: [8305ELW](#)

RS-232, Low Cap, #22-5pr, LSZH, O/A Foil+Braid, LSZH Jkt,Cca

Product Description

Computer EIA RS-232 Cable, 22 AWG stranded (7x30) tinned copper conductors, LSZH insulation, 5 twisted pairs, overall Beldfoil® (100% coverage) + tinned copper braid shield (65% coverage), LSZH jacket, Cca

Technical Specifications

Product Overview

Suitable Applications:	RS-232 Extended Distance Applications; Computer Communications; Low Voltage Analog Signals (4-20ma, 0-10v, ...); Low Voltage Digital Control (24v, ...); Line Level Audio; Panel Wiring
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	5	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Pair(s)	LSZH - Low Smoke Zero Halogen (Flame Retardant)	1.3 mm (0.051 in)	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow

Outer Shield

Shield Type	Material	Coverage
Tape		100%
Braid	Tinned Copper (TC)	65%

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	1.2 mm (0.047 in)	9.0 mm (0.35 in)

Overall Cable Diameter (Nominal):	9.0 mm (0.35 in)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Velocity of Prop.	Max. Current
Pair(s)	59.7 Ohm/km (18.2 Ohm/1000ft)	110 pF/m (34 pF/ft)	210 pF/m (64 pF/ft)	60%	2.2 Amps per Conductor at 25°C

Mechanical Characteristics

Temperature

Operating	Installation	Storage
-30°C to +70°C	-20°C To +70°C	-30°C to +70°C

Bend Radius

Stationary Min.	Installation Min.
3.55 in (90.2 mm)	1.72 in (43.7 mm)

Max. Pull Tension:	91 lbs (41 kg)
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Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Cca, Indoor
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Cca-s1,d1,a1
European Halogen Free Standards:	IEC 62821-1 Halogen Free Compliance = Yes, 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
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2)
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.18 Revision Date: 06-28-2024
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
8305ELW.00500	Gray	Reel	500 m	8719605215192

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