



Product: [9542ELW](#)

RS232, #24-20c, FRNC/LSZH, O/A Foil, FRNC/LSZH Jkt, Cca

Product Description

Computer EIA RS-232 Cable, 24 AWG stranded (7x32) tinned copper conductors, FRNC insulation, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, FRNC jacket.

Technical Specifications

Product Overview

Suitable Applications:	RS-232 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
Conductor(s)	20	24 AWG	7x32	TC - Tinned Copper

Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Conductor(s)	LSZH - Low Smoke Zero Halogen (Flame Retardant)	1.25 mm (0.0492 in)	red, black, white, Green, brown, blue, orange, yellow, purple, gray, pink, turquoise, Black/White, Red/White, Green/White, Orange/White, Blue/White, Brown/White, Yellow/White, Gray/White

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	1.4 mm (0.055 in)	9.4 mm (0.37 in)

Overall Cable Diameter (Nominal):	9.40 mm (0.370 in)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	82 Ohm/km (25 Ohm/1000ft)	108 pF/m (32.9 pF/ft)	213 pF/m (64.9 pF/ft)	1.3 Amps per Conductor at 25°C

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
47 mm (1.9 in)	94 mm (3.7 in)

Max. Pull Tension:	175 N (39.3 lbf)
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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
CENELEC Compliance:	EN 50290-2-27
European Halogen Free Standards:	IEC 62821-1 Halogen Free Compliance = Yes, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 2.5 µS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.13 Revision Date: 06-28-2024
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
9542ELW.00500	Chrome	Reel	500 m	8719605215567

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