



Product: [9535ELW](#) 

RS-232, 5C #24 str TC, LSZH ins, OS, LSZH Jkt, Cca

Product Description

24 AWG stranded (7x32) tinned copper conductors, 5 conductors cabled, LSZH insulation, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, LSZH jacket, Cca

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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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
24	7x32	TC - Tinned Copper	5

Conductor Count:	5
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Insulation

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	1.25 mm	0.05 mm

Outer Shield

Type	Material	Material Trade Name	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	AWG24/7

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	6 mm	1.20 mm

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
82 Ohm/km	59.1 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
100 pF/m	190 pF/m

Current

Element
Conductor(s)

Voltage

Voltage Rating [V]
300 V

Temperature Range

Installation Temperature Range:	-20 to +70
Storage Temperature Range:	-30 to +70 °C

Mechanical Characteristics

Max. Pull Tension:	125 N
Min. Bend Radius During Installation:	60 mm
Min Setting Radius:	30 mm

Standards

CPR Euroclass:	Cca-s1,d1,a1
CENELEC Compliance:	EN 50290-2-20

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Cca
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Suitability

Suitability - Sunlight Resistance:	Yes
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Flammability, LSOH, Toxicity Testing

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

Related Part Numbers

Variants

Item #
9535ELW.00500

History

Update and Revision:	Revision Number: 0.17 Revision Date: 10-01-2024
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