

IMAGE Product: 9842LVS ☑ IMAGE RS-485, 2PR #24 Str TC, PO ins, F/B, LSNH Jkt, 300V, SWA, B2ca SOON Soon

Product Description

RS-485, 2 Pair AWG 24 Tinned Copper - Stranded, Polyolefin (PO, PE, PP) insulation, Foil + Braid(s) shielding, LSZH / FRNC jacket , 300V, SWA, CPR B2ca

Technical Specifications

Product Overview

(RS-485 standard) c		s, motors, RTU, SCADA, etc. within noisy environments ove	I Control (24v, …); Line Level Audio; Panel Wiring; serial communicati r long distance, etc.
ils			
nts Size Strand	ling Material		
24 AWG 7x32	TC - Tinned Copper		
Nom. Thicknes	S Nom. Insulation Diameter	r Color Code	
ene 0.56 mm (0.022	in) 1.73 mm (0.0681 in)	White/Blue & Blue/White, White/Orange & Orange/White	
	ails nts Size Strand 24 AWG 7x32 Nom. Thickness	nts Size Stranding Material 24 AWG 7x32 TC - Tinned Copper	ails Size Stranding Material 24 AWG 7x32 TC - Tinned Copper Nom. Thickness Nom. Insulation Diameter Color Code

Shield Type	Material	Coverage	Drainwire Type
Таре	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC
Braid	Tinned Copper (TC)	90%	

Inner Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	1.1 mm (0.043 in)	8.65 mm (0.341 in)

Armor

 Armor Type & Material
 Armor Thickness
 Coverage

 SWA - Steel Wire Armor
 0.9 mm (0.035 in)
 Min. 95%

Outer Jacket

Mat	erial	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero	Halogen (Flame Retardant)	1.35 mm (0.0531 in)	13.1 mm (0.516 in)
Overall Cable Diameter (Nominal):	13.1 mm (0.516 in)		

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
Pair(s)	78.7 Ohm/km (24.0 Ohm/1000ft)	42 pF/m (13 pF/ft)	75.5 pF/m	120 Ohm	66%	2.1 Amps per Conductor
Nom. Out	Nom. Outer Shield DCR: 7.2 Ohm/km (2.2 Ohm/1000ft)					

High Frequency (Nominal/Typical)

-

Element	Frequency [MHz]	Nom. Insertion Loss (Attenuation)
Pair(s)	1	1.97 dB/100m (0.600 dB/100ft)

Voltage

Voltage Rating

Mechanical Characteristics

Temperature

Operating	Installation	Storage
-45°C To +80°C	-15°C To +80°C	-45°C To +80°C

Bend Radius

Stationary Min.	Installation Min.
130 mm (5.1 in) 1	196.5 mm (7.736 in)
	(,
Max. Pull Tension:	500 N (110 I
Bulk Cable Weight:	: 318 kg/km (2

Standards and Compliance

Environmental Suitability:	IndoorIndoor/OutdoorOutdoorIndoor/Outdoor - Euroclass B2ca, Indoor, Outdoor, Non-Halogenated, Sunlight Resistance, Oil Resistance
Flammability / Reaction to Fire:	IEC 60332-1-2, IEC 60332-3-24
CPR Compliance: CPR Euroclass: B2ca-s1a,d1,a1	
ISO/IEC Compliance:	IEC 61034-2 - Smoke Density Min Transmittance = 60%
CENELEC Compliance: EN 50290-2-20	
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
UK Regulation Compliance:	UKCA Mark
Other Standard Compliance(s):	DMX-512

History

Update and Revision: Revision Number: 0.68 Revision Date: 04-07-2025

Part Numbers

Variants

ltem #	Color	Putup Type	Length	EAN
9842LVS.00500				
9842LVS.001000	Black	Reel	1,000 m	8719605176219

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