



Product: [973105Z](#)

RS-485, 1 Pr, 22AWG, Str TC, PE Ins, OS+TC Brd, LSZH-TS Jkt, BBA, LSZH-TS Jkt, CMG, PLTC, Sun Res

Product Description

RS-485, 120 Ohm, 1 pair 22AWG (7x30) tinned copper Datalene® insulation, Overall Foil + 65% Tinned Copper Braid, LSZH Thermoset Jacket, Bronze Braid Armor, LSZH Thermoset jacket, CMG, PLTC, SUN RES

Technical Specifications

Product Overview

Suitable Applications:	shipboard, harsh environment, IIoT, factory or process automation, video, audio, data communication, etc.
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code	Notes
Pair(s)	PE - Polyethylene (Foam)	0.029 in (0.74 mm)	White/Blue Stripe & Blue/White Stripe	HDPE

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC
Braid	Tinned Copper (TC)	65%	

Inner Jacket

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant, Thermoset)	0.400 in (10.2 mm)

Armor

Armor Type & Material
BBA - Bronze Braid Armor

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant, Thermoset)	0.050 in (1.3 mm)	0.555 in (14.1 mm)

Overall Cable Diameter (Nominal): 0.555 in (14.1 mm)

Electrical Characteristics

Electricals

Element	Nom. Characteristic Impedance	Nom. Velocity of Prop.
Pair(s)	120 Ohm	78%

High Frequency (Nominal/Typical)

Element
Pair(s)

Voltage

UL Voltage Rating

300 V (CMG, PLTC)

Standards and Compliance

Environmental Suitability:	Outdoor, Sunlight Resistance
NEC / UL Compliance:	Article 725, Article 800, CMG, PLTC
CEC / C(UL) Compliance:	CMG

History

Update and Revision:	Revision Number: 0.229 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Color	UPC	Footnote
973105Z 0105000	Black	612825257738	C N

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