



**Product:** [973109Z](#)

RS485, 4 Pr #22 Str TC, PE Ins, OS+TC Brd, LSZH-TS Jkt, Brnz Brd Armor, LSZH-TS Jkt, CMG, PLTC

## Product Description

RS-485, 4 Pair 22AWG (7x30) Tinned Copper, PE Insulation, Overall Beldfoil®+Tinned Copper Braid(65%) Shield, LSZH-TS Inner Jacket, Bronze Braid Armor, LSZH-TS Outer Jacket, CMG, PLTC

## 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)	4	22 AWG	7x30	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Thickness	Color Code	Notes
Pair(s)	PE - Polyethylene (Foam)	0.023 in (0.58 mm)	White/Blue Stripe & Blue/White Stripe, White/Orange Stripe & Orange/White Stripe, White/Green Stripe & Green/White Stripe, White/Brown Stripe & Brown/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)	0.448 in (11.4 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)	0.637 in (16.2 mm)

Overall Cable Diameter (Nominal):	0.637 in (16.2 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Characteristic Impedence	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: 0.131 Revision Date: 12-22-2023
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## Part Numbers

### Variants

Item #	Color	UPC	Footnote
973109Z 0105000	Black	612825257769	C N

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