Product: 3109Z

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

Product Description

MarineTuff RS-485, 4 Pair 22AWG (7x30) Tinned Copper, PE Insulation, Overall Beldfoil®+Tinned Copper Braid(65%) Shield, LSZH-TS Outer Jacket, CMG, PLTC,ABS (21-2090759-PDA-DUP)

Technical Specifications

Product Overview

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

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%	

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant, Thermoset)	0.070 in (1.8 mm)	0.482 in (12.2 mm)

Overall Cable Diameter (Nominal):	0.482 in (12.2 mm)

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: 0.290 Revision Date: 12-22-2023

Part Numbers

Variants

Item #	Color	UPC
3109Z 0105000	Black	612825141846

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