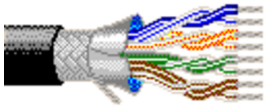


Product: [323106A](#) 



RS-485, 1 Pr, 22AWG, Str TC, PE Ins, with OS, 1C 22AWG Str, PVC Ins, OA TC Brd, PVC Jkt, AIA, CPE Jkt, CM, PLTC, Sun Res

Product Description

RS-485, 120 Ohm, 1 pair 22AWG (7x30) tinned copper Datalene® insulation, with Foil Shield, 1 Conductor 22AWG (7x30) Tinned Copper, PVC Insulated, Overall 65% Tinned Copper Braid, PVC jacket, Aluminum Interlock Armor, CPE Jacket, CM, PLTC, SUN RES

Technical Specifications

Product Overview

Suitable Applications:	exposure to rodent, crush, or cut through force, burial, serial communication (RS-485 standard) comprising of PLCs, VFDs, HMIs, motors, RTU, SCADA, etc. within noisy environments over long distance, outdoor such as solar, lighting, etc.
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Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	1	22	7x30	TC - Tinned Copper
Conductor(s)	1	22	7x30	TC - Tinned Copper

Insulation

Element	Material	Thickness	Color Code	Notes
Pair(s)	PE - Polyethylene (Foam)	0.033 in	White/Orange Stripe & Orange/White Stripe	HDPE
Conductor(s)	PVC - Polyvinyl Chloride	0.017 in	Blue/White Stripe	

Inner Shield Material

Element	Shield Type	Material	Coverage	Notes
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	Single conductor is not under tape

Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type
Braid	Tinned Copper (TC)	65%	22 AWG (7x30) TC

Inner Jacket Material

Material
PVC - Polyvinyl Chloride

A armor

Armor Type & Material
AIA - Aluminum Interlock Armor

Outer Jacket Material

Material	Thickness	Nom. Diameter
CPE - Chlorinated Polyethylene	0.045 in	0.590 in

Cable Diameter (Nominal):	0.590 in
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Electrical Characteristics

Electricals

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

High Frequency (Nominal/Typical)

Element

Pair(s)

Voltage

UL Voltage Rating

300 V (CM, PLTC)

Standards and Compliance

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

History

Update and Revision: Revision Number: 0.41 Revision Date: 02-16-2021

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