



Product: [153105A](#)

RS-485, 1 Pr, 22AWG, Str TC, PE Ins, OS+TC Brd, PVC Jkt, CST, PVC 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, PVC Jacket, Corrugated Steel Tape, PVC jacket, CMG, PLTC, SUN RES

### Technical Specifications

#### Product Overview

Suitable Applications:	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
PVC - Polyvinyl Chloride	0.281 in (7.14 mm)

##### Armor

Armor Type & Material
CST - Corrugated Steel Tape

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.050 in (1.3 mm)	0.460 in (11.7 mm)

Overall Cable Diameter (Nominal):	0.460 in (11.7 mm)
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#### 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)

## Mechanical Characteristics

Table Notes:	-40C
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## Standards and Compliance

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

## History

Update and Revision:	Revision Number: 0.62 Revision Date: 02-15-2024
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