



**Product:** [129841](#)

RS485, 1 Pr #24 Str TC, PE Ins, OS+TC Brd, PVC Jkt, AIA Armor, PVC Jkt, CM

### Product Description

RS-485, 1 Pair 24AWG (7x32) Tinned Copper, PE Insulation, Overall Beldfoil®+Tinned Copper Braid(90%) Shield, PVC Inner Jacket, Aluminum Interlock Armor, PVC Outer Jacket, CM

### Technical Specifications

#### Product Overview

Suitable Applications:	exposure to rodent, crush, or cut through force, burial, POS, 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	No. of Elements	Size	Stranding	Material
Pair(s)	1	24 AWG	7x32	TC - Tinned Copper

##### Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	PE - Polyethylene	0.023 in (0.58 mm)	White/Blue Stripe & Blue/White Stripe

##### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC
Braid	Tinned Copper (TC)	90%	

##### Inner Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.035 in (0.89 mm)	0.232 in (5.89 mm)

##### Armor

Armor Type & Material
AIA - Aluminum Interlock Armor

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.045 in (1.1 mm)	0.512 in (13.0 mm)

Overall Cable Diameter (Nominal):	0.512 in (13.0 mm)
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#### Electrical Characteristics

##### Electricals

Element	Nom. Characteristic Impedance	Max. Current
Pair(s)	120 Ohm	2.1 Amps per Conductor at 25°C

##### High Frequency (Nominal/Typical)

Element	Frequency [MHz]
Pair(s)	1

## Voltage

<b>UL Voltage Rating</b>
300 V (CM)

## Mechanical Characteristics

### Temperature

<b>UL Temperature</b>
80°C

Table Notes:	-40C CSA
Max. Pull Tension:	200 lbs (91 kg)
Bulk Cable Weight:	126 lbs/1000ft (188 kg/km)

## Standards and Compliance

Environmental Suitability:	Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL1685 UL Loading
NEC / UL Compliance:	Article 800, CM
CEC / C(UL) Compliance:	CMG

## History

Update and Revision:	Revision Number: 0.114 Revision Date: 02-15-2024
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