



**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**

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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**Conductor**

Element	Number of Element	AWG	Stranding	Material
Pair(s)	1	24	7x32	TC - Tinned Copper

**Insulation**

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

**Outer Shield Material**

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

**Inner Jacket Material**

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.232 in

**Armor**

Armor Type & Material
AIA - Aluminum Interlock Armor

**Outer Jacket Material**

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.045 in	0.512 in

Cable Diameter (Nominal):	0.512 in
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**Electricals**

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

**High Frequency (Nominal/Typical)**

Element	Frequency [MHz]
Pair(s)	1 MHz

**Voltage**

UL Voltage Rating
300 V (CM)

**Temperature**

UL Rating
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80°C	
Table Notes:	-40C CSA

**Bend Radius**

Stationary Min.	
5.1 in	
Max. Pull Tension:	200 lbs
Bulk Cable Weight:	126 lbs/1000ft
Environmental Suitability:	Sunlight Resistance
Flammability / Fire Resistance:	UL1685 UL Loading
NEC / UL Compliance:	Article 800, CM
CEC / C(UL) Compliance:	CMG
Update and Revision:	Revision Number: 0.93 Revision Date: 09-30-2020

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