



**Product:** [159842](#)

RS485, 2 Pr #24 Str TC, PE Ins, OS+TC Brd, PVC Jkt, CST Armor, PVC Jkt, CM

### Product Description

RS-485, 2 Pair 24AWG (7x32) Tinned Copper, PE Insulation, Overall Beldfoil®+Tinned Copper Braid(90%) Shield, PVC Inner Jacket, Corrugated Steel Tape 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)	2	24 AWG	7x32	TC - Tinned Copper

##### Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	PE - Polyethylene	0.022 in (0.56 mm)	White/Blue Stripe & Blue/White Stripe, White/Orange Stripe & Orange/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. Diameter
PVC - Polyvinyl Chloride	0.340 in (8.64 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)	0.530 in (13.5 mm)

Overall Cable Diameter (Nominal):	0.530 in (13.5 mm)
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#### Electrical Characteristics

##### Electricals

Element	Nom. Characteristic Impedence
Pair(s)	120 Ohm

##### Voltage

UL Voltage Rating
300 V (CM)

## Standards and Compliance

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

## History

Update and Revision:	Revision Number: 0.59 Revision Date: 12-22-2023
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