



**Product:** [139843](#)

RS485, 3 Pr #24 Str TC, PE Ins, OS+TC Brd, PVC Jkt, SIA Armor, PVC Jkt, CM

## Product Description

RS-485, 3 Pair 24AWG (7x32) Tinned Copper, PE Insulation, Overall Beldfoil®+Tinned Copper Braid(90%) Shield, PVC Inner Jacket, Steel 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)	3	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, White/Green Stripe & Green/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	0.360 in (9.14 mm)

#### Armor

Armor Type & Material
SIA - Steel Interlock Armor

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.050 in (1.3 mm)	0.650 in (16.5 mm)

Overall Cable Diameter (Nominal):	0.650 in (16.5 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Characteristic Impedance
Pair(s)	120 Ohm

#### High Frequency (Nominal/Typical)

Element
Pair(s)

## Voltage

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

## Mechanical Characteristics

Table Notes:	-40C CSA
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## 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: 0.50 Revision Date: 12-22-2023
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