



Product: [723107A](#)

RS485, 2 Pr #22 Str TC, PE Ins, OS+TC Brd, PVC Jkt, AIA Armor, LSZH Jkt

### Product Description

RS-485, 2 Pair 22AWG (7x30) Tinned Copper, PE Insulation, Overall Beldfoil®+Tinned Copper Braid(65%) Shield, PVC Inner Jacket, Aluminum Interlock Armor, LSZH Outer Jacket

### Technical Specifications

#### Product Overview

Suitable Applications:	exposure to rodent, crush, or cut through force, burial, 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	22 AWG	7x30	TC - Tinned Copper

##### Insulation

Element	Material	Nom. Thickness	Color Code	Notes
Pair(s)	PE - Polyethylene (Foam)	0.025 in (0.64 mm)	White/Blue Stripe & Blue/White Stripe, White/Orange Stripe & Orange/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
PVC - Polyvinyl Chloride

##### Armor

Armor Type & Material
AIA - Aluminum Interlock Armor

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.050 in (1.3 mm)	0.659 in (16.7 mm)

Overall Cable Diameter (Nominal):	0.659 in (16.7 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)

## History

Update and Revision:	Revision Number: 0.49 Revision Date: 12-22-2023
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