



Product: <u>123107A</u> ☑

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

Request Sample

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, PVC Outer Jacket, CM, PLTC

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.

Construction Details

Conductor

Element	Element No. of Elements		Stranding	Material
Pair(s)	2	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code	Notes
Pair(s)	PE - Polyethylene (Foam)	0.025 in (0.64 mm)	0.079 in (2.0 mm)	White/Blue Stripe & Blue/White Stripe, White/Orange Stripe & Orange/White Stripe	HDPE

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Таре	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC
Braid	Tinned Copper (TC)	65%	

Inner Jacket

Material	Nom. Thickness	Nom. Diameter	
PVC - Polyvinyl Chloride	0.053 in (1.3 mm)	0.350 in (8.89 mm)	

Armor

Armor Type & Material	Armor Thickness	Armor Material Diameter	
AIA - Aluminum Interlock Armor	0.025 in (0.64 mm)	0.560 in (14.2 mm)	

Outer Jacket

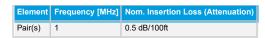
Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.045 in (1.1 mm)	0.690 in (17.5 mm)
Overall Cable Diameter (Nominal):	0.690 in (17.5	5 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Nom. Characteristic Impedence		Nom. Velocity of Prop.	Max. Current
Pair(s) 18.7 Ohm/1000ft 11 pF/ft (36 pF/m		11 pF/ft (36 pF/m)	20.9 pF/ft 120 Ohm		78%	2.7 Amps per Conductor at 25°C
Nom. Ou	ter Shield DCR:	2.95 Ohm/1000ft (9.68 Ohm/km)				

High Frequency (Nominal/Typical)



Voltage

UL Voltage Rating

Mechanical Characteristics

Temperature

UL Temperature	Operating	Installation
60°C	-40°C to +60°C	-20°C To +60°C
Table Notes:	-40C	;

Bend Radius

Bulk Cable Weight:

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL 1685 UL Loading, IEEE 1202
NEC / UL Compliance:	Article 725, Article 800, CM, PLTC
CEC / C(UL) Compliance:	CMG, HLBCD
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
123107A 0105000	Black	Reel	5,000 ft	612825109631	CZ

172 lbs/1000ft

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