



Product: [183107A](#)

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

Product Description

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

Technical Specifications

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.

Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	2	22	7x30	TC - Tinned Copper

Insulation

Element	Material	Thickness	Nom. Insulation Diameter	Color Code	Notes
Pair(s)	PE - Polyethylene (Foam)	0.025 in	0.665	White/Blue Stripe & Blue/White Stripe, White/Orange Stripe & Orange/White Stripe	HDPE

Outer Shield Material

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

Inner Jacket Material

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.350 in

Armor

Armor Type & Material
CCA - Continuously Corrugated Aluminum Armor

Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.055 in	0.665 in

Cable Diameter (Nominal): 0.665 in

Electricals

Element	Nom. Conductor DCR	Characteristic Impedance	Nom. Velocity of Prop.
Pair(s)	15 Ohm/1000ft	120 Ohm	78%

High Frequency (Nominal/Typical)

Element
Pair(s)

Voltage

UL Voltage Rating
300 V (CM, PLTC)

Temperature

UL Rating	Operating
105°C	-25°C to +105°C

Max. Pull Tension:	200 lbs
Bulk Cable Weight:	194 kg/km
Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance, Oil Resistance
Flammability / Fire Resistance:	UL1685 Vertical Tray Flame Test, FT1
NEC / UL Compliance:	Article 725, Article 800, CM, PLTC
CEC / C(UL) Compliance:	CM
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Update and Revision:	Revision Number: 0.51 Revision Date: 09-30-2020

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