



Product: [133106A](#)

RS-485, 1 Pr, 22AWG, Str TC, PE Ins, with OS, 1C 22AWG Str, PVC Ins, OA TC Brd, PVC Jkt, SIA, PVC Jkt, CM, PLTC, Sun Res

Product Description

RS-485, 120 Ohm, 1 pair 22AWG (7x30) tinned copper Datalene® insulation, with Foil Shield, 1 Conductor 22AWG (7x30) Tinned Copper, PVC Insulated, Overall 65% Tinned Copper Braid, PVC jacket, Steel Interlock Armor, PVC Jacket, CM, PLTC, SUN RES

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)	1	22	7x30	TC - Tinned Copper
Conductor(s)	1	22	7x30	TC - Tinned Copper

Insulation

Element	Material	Thickness	Color Code	Notes
Pair(s)	PE - Polyethylene (Foam)	0.033 in	White/Orange Stripe & Orange/White Stripe	HDPE
Conductor(s)	PVC - Polyvinyl Chloride	0.017 in	Blue/White Stripe	

Inner Shield Material

Element	Shield Type	Material	Coverage	Notes
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	Single conductor is not under tape

Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type
Braid	Tinned Copper (TC)	65%	22 AWG (7x30) TC

Inner Jacket Material

Material
PVC - Polyvinyl Chloride

Armor

Armor Type & Material
SIA - Steel Interlock Armor

Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.045 in	0.580 in

Cable Diameter (Nominal): 0.580 in

Electricals

Element	Characteristic Impedance	Nom. Velocity of Prop.
Pair(s)	120 Ohm	78%
Conductor(s)		

High Frequency (Nominal/Typical)

Element
Pair(s)

Voltage

UL Voltage Rating
300 V (CM, PLTC)

Table Notes:	-40C
Environmental Suitability:	Sunlight Resistance
NEC / UL Compliance:	Article 725, Article 800, CM, PLTC
CEC / C(UL) Compliance:	CMG HLBCD
Update and Revision:	Revision Number: 0.40 Revision Date: 09-30-2020

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