



Product: <u>3105A</u> ☑

RS-485, 1 Pr, 22AWG, Str TC, PE Ins, OS+TC Brd, PVC Jkt, CM, PLTC, Sun Res, Oil Resistant

😭 Request Sample

Product Description

RS-485, 120 Ohm, 1 pair 22AWG (7x30) tinned copper Datalene® insulaton, Overall Foil + 65% Tinned Copper Braid, PVC jacket, CM, PLTC, SUN RES and oil-resistant

Technical Specifications

Suitable A	Suitable Applications: harsh environment, IIoT, factor				tion, video, audio, d	lata con
Conducto	Conductor					
Element	Number of Element AV	G Strandin	g Material			
Pair(s)	1 22	7x30	TC - Tinned Copper			
Insulation						
Element	Material	Thickness	Nom. Insulation Diamete	r Color (Code	Notes
	PE - Polyethylene (Foam		0.087	White/Blue Stripe &		
(-)		,				
Outer Shield Material						
Shield Ty	vpe N	laterial	Coverage	Drainwire Type		
Tape + Br	raid Bi-Laminate (Alum+F	oly) + Tinned	Copper (TC) 100% + 65%	22 AWG (7x30) TC		

Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.041 in	0.281 in
able Diameter (Nominal): 0.281 ir		

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Characteristic Impedence	Nom. Velocity of Prop.	Max. Current	
Pair(s)	14.7 Ohm/1000ft	11 pF/ft	20.9 pF/ft	120 Ohm	78%	2.7 Amps per Conductor at 25℃	
Conductor(s)							
Nom Outer Sh	nield DCR:	2.8 Ohm/1000ft	.8 Ohm/1000ft				

High Frequency (Nominal/Typical)

Element	Frequency [MHz]	Nom. Insertion Loss
Pair(s)	1 MHz	0.5 dB/100ft

Voltage

UL Voltage Rating 300 V (CM, PLTC)

Temperature

 UL Rating
 Operating

 60°C
 -20°C to +60°C

Bend Radius

Stationary Min.	Installation Min.
6.0 in	6.0 in

Max. Pull Tension:	200 lbs
Bulk Cable Weight:	43 lbs/1000ft
Environmental Suitability:	Indoor, Sunlight Resistance, Oil Resistance
Flammability / Fire Resistance:	UL1685 UL Loading, FT1, IEC 60332-1-2
NEC / UL Compliance:	Article 725, Article 800, CM, PLTC
CEC / C(UL) Compliance:	СМ
CPR Euroclass:	Eca
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)
Notes:	Oil Resistance: Passes Oil Res II Per UL1277, Table 10.17. For CPE jacketed version order Part No. YR44345.
Update and Revision:	Revision Number: 0.387 Revision Date: 09-30-2020

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