



RS485, 1P 24AWG TC, OBSP, PVC, CPR Eca, 500M

Applications:

RS-485, POS; Computer communications; Low Voltage Analog Signals (4-20ma, 0-10v, ...); Low Voltage Digital Control (24v, ...); Line Level Audio; Panel Wiring; serial communication (RS-485 standard) comprising of PLCs, VFDs, HMIs, motors, RTU, SCADA, etc. within noisy environments over long distance, etc.



General

Cable Type	Electronic Cable	
Conductor	Stranded Tinned Copper	
Number of Pairs	1	
Isolation Material	HDPE	
Isolation Color	White/Blue, Blue/White	
Shield Material	AL/Poly	
Drain Wire	Stranded Tinned Copper	
Braid	90% Tinned Copper	
Jacket Material	PVC	
Jacket Color(s)	Black	
Print	White ink. legible, cannot be wiped off by fingers	
Packing	500M wooden reel	

Dimensions

Conductor diameter	24AWG	0.020 in
Isolation diameter	1.70 mm	0.068 in
Drain wire diameter	24AWG	0.020 in
Diameter over jacket	5.89 mm	0.232 in
Reel	Flange Diameter	360 mm 14.17 in
	Hub Diameter	100 mm 3.94 in
	Traverse Width	280 mm 11.02 in

Mechanical

Operating Temperature	-20°C to + 60°C	
Bend Radius	Dynamic	64 mm Min.
	Static	64 mm Min.
Pull Tension	72.3 lbs Max.	

Electrical

Recommended Current (A)	2.1 per Conductor @25°C	
Characteristic Impedance	120 Ohms	
Conductor DC Resistance	79 Ohms / km	24.0 Ohms / kft
Insertion Loss @1MHz	2.0 dB / m	
Dielectric Strength	1500 Vac 2500 Vdc Min.	
Mutual Capacitance	4.2 nF / 100m	1.3 nF / 100ft
Velocity of Propagation	66%	
Normal Delay	52 ns	

Compliance

Applicable	RoHS2.0(2011/65/EU)	
Reaction to fire	IEC 60332-1-2	
	EN 50575:2014+A1:2016 EN 13501-6(Eca)	
Warranty	3 years (indoor)	



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