



Product Description

Computer EIA RS-232/485 Cable, 8-Pair, 28 AWG stranded (7x36) tinned copper conductors, Datalene® insulation, overall Beldfoil® (100% coverage) + tinned copper braid shield (65% coverage), 28 AWG stranded tinned copper drain wire, PVC jacket.

Technical Specifications

Product Overview

e Applications: RS-232 extended distance applications; RS-485 applications; computer communications; low voltage analog signals (4-20ma, 0-10v,); low voltage digital line level audio; panel wiring	control (24v, …);
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Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	8	28	7x36	TC - Tinned Copper

Insulation

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Element	Material	Thickness	Color Code
Pair(s)	PE - Polyethylene (Foam)		White/Blue Stripe & Blue/White Stripe, White/Orange Stripe & Orange/White Stripe, White/Green Stripe & Green/White Stripe, White/Brown Stripe & Blue/Red Stripe, White/Gray Stripe & Gray/White Stripe, Red/Blue Stripe & Blue/Red Stripe, Red/Orange Stripe & Orange/Red Stripe, Red/Green Stripe & Green/Red Stripe

Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type
Tape + Braid	Bi-Laminate (Alum+Poly) + Tinned Copper (TC)	100% + 65%	28 AWG (7x36) TC

Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.039 in	0.330 in
Cable Diameter (Nomina	al): 0.33	30 in

Electrical Characteristics

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)	65 Ohm/1000ft	11 pF/ft	20 pF/ft	120 Ohm	78%	0.7 Amps per Conductor at 25℃
Nom Oute	er Shield DCR:	3.7 Ohm/1000ft				

Voltage

UL Voltage Rating 30 V (UL AWM 2919)

Mechanical Characteristics



 UL Rating
 Operating

 80°C (UL AWM 2919)
 -30°C to +80°C

Bend Radius

3.5 in

Stationary Min.

Bulk Cable Weight:

Standards and Compliance

47 lbs/1000ft

Flammability / Fire Resistance:	UL1685 UL Loading, IEC 60332-1-2
NEC / UL Compliance:	CL2
AWM Compliance:	2919
CPR Euroclass:	Eca
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	Datalene® insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.		
History			
Update and Revision:	Revision Number: 0.308 Revision Date: 09-30-2020		

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