

1	Part Number: 9841		
	RS485, 1 Pr #24 Str TC, PO Ins,	OS+TC Brd, PVC Jkt, CM	
	Request Sample		

Product Description

RS-485, 1 Pair 24AWG (7x32) Tinned Copper, PO Insulation, Overall Beldfoil®+Tinned Copper Braid(90%) Shield, PVC Outer Jacket, CM

Technical Specifications

Product Overview

Suitable Applications:			RS-485, DMX-512		
Physical Characteristics (Overall)					
Conductor					
AWG	Stranding	Material	No. of Pairs		
24	7x32	TC - Tinned Copper	1		
Condu	ctor Count:				2
Total Number of Pairs:			1		
Conductor Size:			24 AWG		
nsulat	ion				
Material Nominal Wall Thickness					
PE - P	olyethylene	0.0225 in			

Color Chart

Color White/Blue & Blue/White

White/Blue & Blue/White

Outer Shield Material

Туре	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Таре	1	Aluminum/Polyester	Beldfoil® with shorting fold	100 %	TC - Tinned Copper	24	7x32 mm
Braid	2	TC - Tinned Copper		90 %			

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.232 in	0.035 in

Construction and Dimensions

Cabling

Lay Direction	Twists	Filler
Left Hand	4.8 twist/ft	Fibrous Polypropylene

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
24 Ohm/1000ft	3.4 Ohm/1000ft

Capacitance

	itance Conductor to		nductor to Other Conductor to Shield
12.8 pF/ft		23 pF/ft	
mpedance			
Nominal Cha	aracteristic Impedar	nce	
120 Ohm			
ligh Frequen	cy (Nominal/Typica	il)	
Nom. Inserti	on Loss		
0.6 dB/100ft			
0.0 00/1001			
Delay			
•			
	-	ty of Propagation (VP) [%]	
1.6 ns/ft	66 %		
Current			
Current Eleme	nt	Max. Recommended Current [A]

Voltage

UL Description	UL Voltage Rating
Туре СМ	300 V RMS (UL type CM)
AWM 2919	30 V RMS (UL AWM 2919)
Electrical Charac	cteristics Notes:

Temperature Range

UL Temp Rating:	80°C (UL AWM Style 2919)
Operating Temp Range:	-30°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	36 lbs/1000ft
Max Recommended Pulling Tension:	72.3 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	СМ
CEC/C(UL) Specification:	СМ
UL AWM Style:	2919 (30 V 80°C)
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Hazardous Locations:	Yes
Suitability - Indoor:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 (UL Loading)
CSA Flammability:	FT1

UL voltage rating:

300 V RMS (CM)

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	82841, 89841

Part Number

Variants Item #	Color	Footnote
9841.01152	Chrome	
9841.011525	Chrome	
9841.01305	Chrome	
9841.019999	Chrome	
9841 060100	Chrome	
9841 0601000	Chrome	С
9841 06010000	Chrome	С
9841 060500	Chrome	С
9841 0605000	Chrome	
9841.03305	Violet	
9841.02305	Yellow	
Footnote:		

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