



Product: [9637](#) 

RS-232, #28-25c, SR-PVC, O/A Foil+Braid, PVC Jkt, CL2

Product Description

Computer EIA RS-232 Cable, 28 AWG stranded (7x36) tinned copper conductors, semi-rigid PVC insulation, overall Beldfoil® (100% Coverage) + tinned copper braid shield (65% Coverage), PVC jacket.

Technical Specifications

Product Overview

Suitable Applications:	rs-232 applications; computer communications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; panel wiring
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
28	7x36	TC - Tinned Copper	25

Conductor Count:25

Insulation

Material
SR-PVC - Polyvinyl Chloride (Semi-Rigid)

Color Chart

Number	Color
1	Black
2	White
3	Red
4	Green
5	Orange
6	Blue
7	White/Black
8	Red/Black
9	Green/Black
10	Orange/Black
11	Blue/Black
12	Black/White
13	Red/White
14	Green/White
15	Blue/White
16	Black/Red
17	White/Red
18	Orange/Red
19	Blue/Red
20	Red/Green
21	Orange/Green
22	Black/White/Red
23	White/Black/Red
24	Red/Black/White

25	Green/Black/White
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Outer Shield

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Bi-Laminate (Alum+Poly)	Beldfoil®	100%
Braid		Tinned Copper (TC)		65%

Outer Jacket

Nominal Diameter	Nominal Wall Thickness
0.305 in	0.035 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
65 Ohm/1000ft	4.5 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield	Nom.Mutual Capacitance
30 pF/ft	50 pF/ft	15.5 pF/ft

Current

Max. Recommended Current [A]
0.7 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	80°C
Operating Temp Range:	-20°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	54 lbs/1000ft
Min. Bend Radius/Minor Axis:	3.25 in

Standards

NEC/(UL) Compliance:	CL2
UL AWM Style Compliance:	2464
CSA AWM Compliance:	I, B 80C 300V

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
CSA Flammability:	FT4
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Put-Up Type	Length	UPC
9637 0601000	Chrome	Reel	1,000 ft	612825256854

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.348 Revision Date: 08-27-2021
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