



Product: [9946](#)

RS-232, #22-10c, SR-PVC, O/A Foil+Braid, PVC Jkt, CMG

Product Description

Computer EIA RS-232 Cable, 22 AWG stranded (7x30) 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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Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	10	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Conductor(s)	SR-PVC - Polyvinyl Chloride (Semi-Rigid)	0.011 in (0.28 mm)	Black, White, Red, Green, Brown, Blue, Orange, Yellow, Purple, Gray

Outer Shield

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.035 in (0.89 mm)	0.300 in (7.62 mm)

Cable Diameter (Nominal): 0.300 in (7.62 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	14.7 Ohm/1000ft (48.2 Ohm/km)	35 pF/ft (110 pF/m)	63 pF/ft (210 pF/m)	1.5 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V (CMG), 300 V (UL AWM 2464)

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C (UL CMG);80°C (UL AWM 2464)	-30°C to +80°C

Bend Radius

Stationary Min.	Installation Min.
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3.6 in (91 mm)	3.6 in (91 mm)
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Bulk Cable Weight:	59 lbs/1000ft (88 kg/km)
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Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL1685 FT4 Loading, FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	2464
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark

History

Update and Revision:	Revision Number: 0.342 Revision Date: 10-27-2021
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Variants

Item #	Color	UPC
9946 060100	Chrome	612825264910
9946 0601000	Chrome	612825264927
9946 060500	Chrome	612825264934
9946 0605000	Chrome	612825264941

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