



Product: [8303](#)

RS232, Low Cap, #22-3pr, 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, 3 twisted pairs, overall Beldfoil® (100% coverage) + tinned copper braid shield (65% coverage), PVC jacket.

Technical Specifications

Product Overview

Suitable Applications:	RS-232 Extended Distance 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
Pair(s)	3	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	SR-PVC - Polyvinyl Chloride (Semi-Rigid)	0.011 in (0.28 mm)	Black & Red, Black & White, Black & Green

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)	0.294 in (7.47 mm)

Overall Cable Diameter (Nominal): 0.294 in (7.47 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Velocity of Prop.	Max. Current
Pair(s)	15 Ohm/1000ft (49 Ohm/km)	8.9 Ohm/1000ft (29 Ohm/km)	35 pF/ft (110 pF/m)	63 pF/ft (210 pF/m)	60%	2.1 Amps per Conductor at 25°C

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
2.9 in (74 mm)	2.9 in (74 mm)

Max. Pull Tension:	84 lbs
Bulk Cable Weight:	45 lbs/1000ft (67 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor
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, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.308 Revision Date: 12-15-2021
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Variants

Item #	Color	Putup Type	Length	UPC
8303 060100	Chrome	Reel	100 ft	612825201946
8303 060500	Chrome	Reel	500 ft	612825201960
8303 0601000	Chrome	Reel	1,000 ft	612825201953
8303 0605000	Chrome	Reel	5,000 ft	612825201977

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