

Product: 9502

RS-232, #24-2pr, SR-PVC, O/A Foil, PVC Jkt, CMG, 75Ω

Product Description

Computer EIA RS-232 Cable, 24 AWG stranded (7x32) tinned copper conductors, semi-rigid PVC insulation, 2 twisted pairs, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, 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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	2	24 AWG	7x32	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	SR-PVC - Polyvinyl Chloride (Semi-Rigid)	0.011 in (0.28 mm)	0.044 in (1.1 mm)	Black & Red, Black & White

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.222 in (5.64 mm)

Overall Cable Diameter (Nominal):	0.222 in (5.64 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Velocity of Prop.	Max. Current
Pair(s)	28.8 Ohm/1000ft	30 pF/ft (98 pF/m)	50 pF/ft (160 pF/m)	60%	2.1 Amps per Conductor at 25ºC

Voltage

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

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C	-30°C to +80°C

Bend Radius

Stationary Min.	Installation Min.
2.2 in (56 mm)	2.2 in (56 mm)

Max. Pull Tension:	27.5 lbs (12.5 kg)
Bulk Cable Weight:	26 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL 1685 FT4 Loading, FT4
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	AWM 2464, AWM I/II A
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	P-MSHA-SC-7K-182037
Plenum Number:	82502

Product Notes

Notes:	Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration certification. Request quotations on RG/U cables not listed.

History

Update and Revision:	Revision Number: 0.543 Revision Date: 03-04-2023

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
9502.0030	Chrome	Reel	30 m	8719605020840	
9502 060100	Chrome	Reel	100 ft	612825254133	
9502.00U152	Chrome	UnReel	152 m	8719605020857	
9502.01152	Chrome	Reel	152 m	8719605020888	
9502.00U305	Chrome	UnReel	305 m	8719605020864	
9502.01305	Chrome	Reel	305 m	8719605020901	
9502.01305	Chrome	Reel	305 m	8719605020901	
9502 060500	Chrome	Reel	500 ft	612825254164	C
9502 060U500	Chrome	UnReel	500 ft	612825254126	
9502 0601000	Chrome	Reel	1,000 ft	612825254140	C
9502 060U1000	Chrome	UnReel	1,000 ft	612825254119	
9502.011500	Chrome	Reel	1,500 m	8719605020871	
9502.013048	Chrome	Reel	3,048 m	8719605020895	
9502 0605000	Chrome	Reel	5,000 ft	612825254171	C Z
9502 06010000	Chrome	Reel	10,000 ft	612825254157	C Y

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