



Product: [9505](#)

RS232, #24-5pr, 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, 5 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	Number of Element	Size	Stranding	Material
Pair(s)	5	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, Black & Green, Black & Blue, Black & Yellow

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)	0.289 in (7.34 mm)

Overall Cable Diameter (Nominal): 0.289 in (7.34 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	28.8 Ohm/1000ft	30 pF/ft (98 pF/m)	50 pF/ft (160 pF/m)	75 Ohm	60%	2.2 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	-30°C to +80°C

Bend Radius

Stationary Min.	Installation Min.

2.9 in (74 mm)	2.9 in (74 mm)
----------------	----------------

Max. Pull Tension:	60 lbs (27 kg)
--------------------	----------------

Bulk Cable Weight:	40 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 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
--------------------------------	--

UK Regulation Compliance:	UKCA Mark
---------------------------	-----------

APAC Compliance:	China RoHS II (GB/T 26572-2011)
------------------	---------------------------------

Plenum Number:	89505, 82505
----------------	--------------

History

Update and Revision:	Revision Number: 0.489 Revision Date: 01-20-2023
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN
9505.0030	Chrome	Reel	30 m	8719605021243
9505 060100	Chrome	Reel	100 ft	612825254324
9505.00U152	Chrome	UnReel	152 m	8719605021267
9505.01152	Chrome	Reel	152 m	8719605021281
9505.00305	Chrome	Reel	305 m	8719605021250
9505.00U305	Chrome	UnReel	305 m	8719605021274
9505 060500	Chrome	Reel	500 ft	612825254348
9505 060U500	Chrome	UnReel	500 ft	612825254317
9505 0601000	Chrome	Reel	1,000 ft	612825254331
9505 060U1000	Chrome	UnReel	1,000 ft	612825254300
9505.001525	Chrome	Reel	1,525 m	8719605179791
9505 0605000	Chrome	Reel	5,000 ft	612825254355

© 2023 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.