



Product: [89504](#)

RS232, #24-4pr, FEP, O/A Foil, FEP Jkt, CMP

Product Description

Computer EIA RS-232 Cable, 24 AWG stranded (7x32) tinned copper conductors, FEP insulation, 4 twisted pair, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, FEP jacket

Technical Specifications

Product Overview

Suitable Applications:	extreme high/low temperature environments; 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

Element	No. of Elements	Size	Stranding	Material
Pair(s)	4	24	7x32	TC - Tinned Copper

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
FEP - Fluorinated Ethylene Propylene	0.006 in (0.15 mm)	0.036 in (0.91 mm)	Black & White, Black & Red, Black & Green, Black & Blue

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

Material	Nom. Thickness	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.015 in (0.38 mm)	0.194 in (4.93 mm)

Electrical Characteristics

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
28.8 Ohm/1000ft	21 pF/ft (69 pF/m)	40 pF/ft (130 pF/m)	1.5 Amps per Conductor at 25°C

UL Voltage Rating
300 V

Mechanical Characteristics

UL Temperature	Operating
150°C	-70°C To +150°C

Stationary Min.	Installation Min.
1.94 in (49.3 mm)	1.94 in (49.3 mm)

Max. Pull Tension:	50 lbs (23 kg)
Bulk Cable Weight:	26 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Outdoor, Sunlight Resistance, Oil Resistance
Flammability / Reaction to Fire:	NFPA 262 (UL910), FT6, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, REACH, 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)
Non-Plenum Number:	9504

History

Update and Revision:	Revision Number: 0.435 Revision Date: 02-03-2025
----------------------	--

Part Numbers

Variants

Item #	Color	UPC	Footnote
89504 0021000	Red	612825221029	C
89504 002500	Red	612825221036	C

© 2025 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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable:](#)

[89504 002500](#) [89504 0021000](#)