


Product: [89505](#)
RS232, #24-5pr, FEP, O/A Foil, FEP Jkt, CMP
Product Description

Computer EIA RS-232 Cable, 24 AWG stranded (7x32) tinned copper conductors, FEP insulation, 5 twisted pair, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, FEP jacket, plenum rated

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
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Construction Details
Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	5	24	7x32	TC - Tinned Copper

Insulation

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 & 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
FEP - Fluorinated Ethylene Propylene	0.015 in (0.38 mm)	0.199 in (5.05 mm)

Electrical Characteristics
Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
28.8 Ohm/1000ft	21 pF/ft (69 pF/m)	40 pF/ft (130 pF/m)	0.17 µH/ft (0.56 µH/m)	1.5 Amps per Conductor at 25°C

Nom Outer Shield DCR: 15 Ohm/1000ft (49 Ohm/km)

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics
Temperature

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

Bend Radius

Stationary Min.	Installation Min.
1.99 in (50.5 mm)	1.99 in (50.5 mm)

Max. Pull Tension:	61 lbs (28 kg)
Bulk Cable Weight:	30 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:	9505

History

Update and Revision:	Revision Number: 0.436 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC	Footnote
89505 002100	Red	612825221043	C
89505 0021000	Red	612825221050	C

Footnote:	C - CRATE REEL PUT-UP.
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