



**Product:** [82504](#) 

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

## Product Description

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

## Technical Specifications

### Product Overview

Suitable Applications:	indoor plenum applications; 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)	4	24 AWG	7x32	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene	0.006 in (0.15 mm)	Black & Red, Black & White, Black & Green, Black & Blue

#### 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	0.014 in (0.36 mm)	0.193 in (4.90 mm)

Overall Cable Diameter (Nominal):	0.193 in (4.90 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
Pair(s)	24.1 Ohm/1000ft (79.1 Ohm/km)	25 pF/ft (82 pF/m)	45 pF/ft (150 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)
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#### Voltage

<b>UL Voltage Rating</b>
300 V (CMP)

### Mechanical Characteristics

#### Temperature

<b>Operating</b>
0°C to +60°C

Max. Pull Tension:	50 lbs (23 kg)
Bulk Cable Weight:	22 lbs/1000ft (33 kg/km)

## Standards and Compliance

Flammability / Reaction to Fire:	NFPA 262 Plenum Flame Test (UL910)
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
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: 0.303 Revision Date: 09-07-2025
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## Part Numbers

### Variants

Item #	Color	UPC	Footnote
82504 8771000	Natural	612825197218	C
82504 877U1000	Natural	612825197201	

Footnote:	C - CRATE REEL PUT-UP.
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