



Product: [82509](#)

RS232, #24-9pr, FEP, O/A Foil, LS-PVC Jkt, CMP

### Product Description

Computer EIA RS-232 Cable, 9-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)	9	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, Black & Yellow, Black & Brown, Black & Orange, Red & White, Red & Green

##### 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	0.015 in (0.38 mm)	0.246 in (6.25 mm)

Overall Cable Diameter (Nominal):	0.246 in (6.25 mm)
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#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Pair(s)	24.1 Ohm/1000ft (79.1 Ohm/km)	23 pF/ft (75 pF/m)	42 pF/ft (140 pF/m)	1.5 Amps per Conductor at 25°C

##### Voltage

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

#### Mechanical Characteristics

##### Temperature

<b>Operating</b>
0°C to +75°C

Max. Pull Tension:	110 lbs (50 kg)
Bulk Cable Weight:	45 lbs/1000ft (67 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: 0.297 Revision Date: 12-22-2023
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## Part Numbers

### Variants

Item #	Color	UPC	Footnote
82509 8771000	Natural	612825197263	C

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