



Product: [82641](#)

RS232, #24-1pr, FEP, O/A Foil, LS-PVC Jkt, CMP

Request Sample

### Product Description

Computer EIA RS-232 Cable, 1-Pair, 24 AWG stranded (7x32) tinned copper conductors, FEP insulation, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, Flamarrest® 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)	1	24 AWG	7x32	TC - Tinned Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene	0.006 in (0.15 mm)	0.036 in (0.91 mm)	Black & Red

##### 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)	0.108 in (2.74 mm)

Overall Cable Diameter (Nominal):	0.108 in (2.74 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	31 pF/ft (100 pF/m)	59 pF/ft (190 pF/m)	2.2 Amps per Conductor at 25°C

##### Voltage

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

#### Mechanical Characteristics

##### Temperature

UL Temperature	Operating
60°C	0°C to +60°C

##### Bend Radius

Stationary Min.	Installation Min.

1.08 in (27.4 mm) | 1.08 in (27.4 mm)

Max. Pull Tension: 16 lbs (7.3 kg)

Bulk Cable Weight: 8 lbs/1000ft

## Standards and Compliance

Environmental Suitability: Indoor - Plenum, Indoor

Sustainability: CA Prop 65

Flammability / Reaction to Fire: NFPA 262, UL 910 (Plenum)

CPR Compliance: CPR Euroclass: Eca

NEC / UL Compliance: Article 800, CMP

CEC / C(UL) Compliance: CMP

European Directive Compliance: EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), 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: 88641

Non-Plenum Number: 8641

## History

Update and Revision: Revision Number: 0.538 Revision Date: 02-15-2024

## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
82641 8771000	Natural	Reel	1,000 ft	612825197508	C
82641 877U1000	Natural	UnReel	1,000 ft	612825197492	

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