



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)	Nom. Inductance	Max. Current
Pair(s)	24.1 Ohm/1000ft	31 pF/ft (100 pF/m)	59 pF/ft (190 pF/m)	0.17 µH/ft (0.56 µH/m)	2.2 Amps per Conductor at 25°C

Nom Outer Shield DCR@Cond DCR1-cnvr:	28.8 Ohm/1000ft (94.5 Ohm/km)
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Voltage

UL Voltage Rating
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: 0.540 Revision Date: 09-07-2025
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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	

Footnote:	C - CRATE REEL PUT-UP.
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