



Product: [82506](#) 

RS232, #24-6pr, FEP, O/A Foil, LS-PVC Jkt, CMP

Product Description

Computer EIA RS-232 Cable, 6-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)	6	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

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)	0.209 in (5.31 mm)

Overall Cable Diameter (Nominal):	0.209 in (5.31 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

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

Operating
0°C to +60°C

Max. Pull Tension:	71 lbs (32 kg)
Bulk Cable Weight:	32 lbs/1000ft (48 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: 0.301 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC	Footnote
82506 8771000	Natural	612825197256	C
82506 877U500	Natural	612825197249	

Footnote:	C - CRATE REEL PUT-UP.
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