



**Product:** [82502](#)

RS232, #24-2pr, FEP, O/A Foil, LS-PVC Jkt, CMP

## Product Description

Computer EIA RS-232 Cable, 2-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	Number of Element	AWG	Stranding	Material
Pair(s)	2	24	7x32	TC - Tinned Copper

#### Insulation

Element	Material	Thickness	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene	0.006 in	Black & Red, Black & White

#### Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

#### Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.014 in	0.162 in

Cable Diameter (Nominal): 0.162 in

### 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	25 pF/ft	45 pF/ft	1.5 Amps per Conductor at 25°C

Nom Outer Shield DCR: 15 Ohm/1000ft

#### Voltage

UL Voltage Rating
300 V (CMP)

### Mechanical Characteristics

#### Temperature

Operating
0°C to +60°C

#### Bend Radius

Stationary Min.	Installation Min.
1.75 in	1.6 in

Max. Pull Tension:	27 lbs
Bulk Cable Weight:	14 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Fire Resistance:	NFPA 262 Plenum Flame Test (UL910), FT6
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.283 Revision Date: 09-30-2020
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