



Product: [88102](#)

RS232/422 Low Cap, #24-2pr, FFEP, O/A Foil, PVDF Jkt, CMP, 100Ω

Product Description

Computer EIA RS-232/422 Cable, 2-Pair, 24 AWG stranded (7x32) tinned copper conductors, foam FEP insulation, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, fluorocopolymer jacket, plenum rated

Technical Specifications

Product Overview

Suitable Applications:	extreme high temperature environments; rs-232 extended distance applications; rs-422 applications; computer communication; 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 [in.]	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene (Foam)	0.015	White/Blue Stripe & Blue/White Stripe, White/Orange Stripe & Orange/White Stripe

Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type
Tape	Alum / Poly	100%	24 AWG (7x32) TC

Outer Jacket Material

Material	Thickness	Nom. Diameter
PVDF - Polyvinylidene Fluoride	0.014 in	0.203 in

Cable Diameter (Nominal): 0.203 in

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	24 Ohm/1000ft	13 pF/ft	23.3 pF/ft	100 Ohm	78%	1.76 Amps per Conductor at 25°C

Nom Outer Shield DCR: 15.5 Ohm/1000ft

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

UL Rating	Operating
150°C	-20°C to +150°C

Bend Radius

Stationary Min.

2.25 in

Max. Pull Tension: 28 lbs

Bulk Cable Weight: 20 lbs/1000ft

Standards and Compliance

Flammability / Fire Resistance:	NFPA 262 Plenum Flame Test (UL910), FT6, IEC 60332-1-2
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
CPR Euroclass:	Eca
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: 0.342 Revision Date: 07-28-2020

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