



**Product:** [89705](#)

RS232/422 Low Cap, #24-5pr, FFEP, Individ. Foil, PVDF Jkt, CMP, 100Ω

## Product Description

Computer EIA RS-232/422, Digital Audio Cable, 5-Pair, 24 AWG stranded (7x32) tinned copper conductor, foam FEP insulation, individually shielded pairs with Beldfoil® (100% coverage), 24 AWG stranded tinned copper drain wire, overall 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, ...); digital audio; panel wiring
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### Construction Details

#### Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	5	24	7x32	TC - Tinned Copper

#### Insulation

Element	Material	Thickness	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene (Foam)	0.019 in	White/Blue Stripe & Blue/White Stripe, White/Orange Stripe & Orange/White Stripe, White/Green Stripe & Green/White Stripe, White/Brown Stripe & Brown/White Stripe, White/Gray Stripe & Gray/White Stripe
			Red, Green, Blue

#### Inner Shield Material

Element	Shield Type	Material	Coverage	Drainwire Type	Notes
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC	each pair

#### Outer Jacket Material

Material	Thickness	Nom. Diameter
PVDF - Polyvinylidene Fluoride	0.014 in	0.327 in

Cable Diameter (Nominal): 0.327 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	13.5 pF/ft	22.5 pF/ft	100 Ohm	76%	2 Amps per Conductor at 25°C

#### Voltage

UL Voltage Rating
300 V (CMP)

### Mechanical Characteristics

#### Temperature

UL Rating	Operating
150°C	-40°C to +150°C

## Bend Radius

### Stationary Min.

3.5 in

Max. Pull Tension: 165 lbs

Bulk Cable Weight: 53 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: 0.311 Revision Date: 09-30-2020

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