



Product: [88125](#)

RS232/422 Low Cap, #24-25pr, FFEP, O/A Foil, PVDF Jkt, CMP, 100Ω

Product Description

Computer EIA RS-232/422 Cable, 25-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)	25	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, White/Green Stripe & Green/White Stripe, White/Brown Stripe & Brown/White Stripe, White/Gray Stripe & Gray/White Stripe, Red/Blue Stripe & Blue/Red Stripe, Red/Orange Stripe & Orange/Red Stripe, Red/Green Stripe & Green/Red Stripe, Red/Brown Stripe & Brown/Red Stripe, Red/Gray Stripe & Gray/Red Stripe, Black/Blue Stripe & Blue/Black Stripe, Black/Orange Stripe & Orange/Black Stripe, Black/Green Stripe & Green/Black Stripe, Black/Brown Stripe & Brown/Black Stripe, Black/Gray Stripe & Gray/Black Stripe, Yellow/Blue Stripe & Blue/Yellow Stripe, Yellow/Orange Stripe & Orange/Yellow Stripe, Yellow/Green Stripe & Green/Yellow Stripe, Yellow/Brown Stripe & Brown/Yellow Stripe, Yellow/Gray Stripe & Gray/Yellow Stripe, Purple/Blue Stripe & Blue/Purple Stripe, Purple/Orange Stripe & Orange/Purple Stripe, Purple/Green Stripe & Green/Purple Stripe, Purple/Brown Stripe & Brown/Purple Stripe, Purple/Gray Stripe & Gray/Purple Stripe

Outer Shield Material

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

Outer Jacket Material

Material	Thickness	Diameter
PVDF - Polyvinylidene Fluoride	0.019 in	0.581 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	12.95 pF/ft	23.3 pF/ft	100 Ohm	78%	1.1 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

UL Rating	Operating

150°C -20°C to +150°C

Bend Radius

Stationary Min.

6 in

Max. Pull Tension: 280 lbs

Bulk Cable Weight: 179 lbs/1000ft

Standards and Compliance

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: 0.335 Revision Date: 06-09-2020

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