



Product: [82512](#) 

RS-232, #24-12.5pr, FEP, O/A Foil, LS-PVC Jkt, CMP

Product Description

Computer EIA RS-232 Cable, 24 AWG stranded (7x32) tinned copper conductors, FEP insulation, twisted pair, 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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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors	No. of Pairs
24	7x32	TC - Tinned Copper		12
			1	

Conductor Count:	25
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Insulation

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.006 in

Color Chart

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
6	Black & Brown
7	Black & Orange
8	Red & White
9	Red & Green
10	Red & Blue
11	Red & Yellow
12	Red & Brown
Single Conductor+	Yellow

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	24	7x32

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
PVC-LS - Polyvinyl Chloride (Low Smoke)	Flamarrest®	0.278 in	0.015 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
15 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
23 pF/ft	42 pF/ft

Inductance

Nominal Inductance
0.17 µH/ft

High Frequency (Nominal/Typical)

Nom. Insertion Loss
22 dB/100m

Current

Max. Recommended Current [A]
1.5 Amps per conductor @ 25°C A

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Operating Temp Range:	0°C To +60°C
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Mechanical Characteristics

Bulk Cable Weight:	56 lbs/1000ft
Max Recommended Pulling Tension:	143 lbs
Min Bend Radius/Minor Axis:	3 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-01
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

UL Flammability:	NFPA 262 Plenum Flame Test (UL910)
CSA Flammability:	FT6
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Variants

Item #	Color	UPC
82512 8771000	Natural	612825197270

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.296 Revision Date: 04-28-2020
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