



Part Number: 9505

RS-232, #24-5pr, SR-PVC, O/A Foil, PVC Jkt, CMG, 75Ω

Product Description

Computer EIA RS-232 Cable, 24 AWG stranded (7x32) tinned copper conductors, semi-rigid PVC insulation, twisted pairs, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Pairs
24	7x32	TC - Tinned Copper	5

Total Number of Conductors:	10
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Insulation:

Material	Nominal Wall Thickness
S-R PVC - Semi-Rigid Polyvinyl Chloride	0.011 in

Color Chart 1:

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow

Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	24	7x32 mm

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.289 in	0.032 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
24 Ohm/1000ft	17 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
30 pF/ft	50 pF/ft

Impedance:

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical):

Nom. Insertion Loss
12 dB/100m
12 dB/100m
12 dB/100m

Delay:

Max. Delay Skew	Nominal Velocity of Propagation (VP) [%]
60 ns/100m	60 %

High Freq:

Max. Insertion Loss (Attenuation)	Min. SRL (Structural Return Loss)
11.8 dB/100m	
	11.9 dB

Current:

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

Voltage:

UL Voltage Rating
300V RMS V

Performance:

Min PSACRF
Belden
11.7 dB

Use

Max Recommended Pulling Tension:	55 lbs
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Safety

CSA Flammability:	FT4
UL Flammability:	UL1685 FT4 Loading

Temperature Range

Operating Temp Range:	-30°C To +80°C °C
UL Temp Rating:	80°C (UL AWM Style 2464) °C

Mechanical Characteristics

Min Bend Radius/Minor Axis:	3 in
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Part Number

Plenum (Y/N):	No
Plenum Number:	89505, 82505

Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CMG
CSA AWM Specification:	AWM I A
MII Order #39 (China RoHS):	Yes
NEC/(UL) Specification:	CMG
UL AWM Style:	2464 (300 V 80°C)
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

Product Variants

Part Number	Color	Put-Up Type	Length
9505			
9505	CHROME	Reel	305 m
9505 0601000	CHROME	Reel	1000 ft
9505			
9505	CHROME	Reel	30 m
9505 060100	CHROME	Reel	100 ft
9505			
9505	CHROME	Reel	1524 m
9505 0605000	CHROME	Reel	5000 ft
9505			
9505	CHROME	Reel	152 m
9505 060500	CHROME	Reel	500 ft
9505			
9505	CHROME	UnReel	305 m
9505 060U1000	CHROME	UnReel	1000 ft
9505			
9505	CHROME	UnReel	152 m
9505 060U500	CHROME	UnReel	500 ft
9505.00305	CHROME	Reel	305 m
9505	CHROME	Reel	30 m
9505.00U152	CHROME	UnReel	152 m
9505.00U305	CHROME	UnReel	305 m
9505.01152	CHROME	Reel	152 m
9505	CHROME	Reel	305 m
9505	CHROME	Reel	30 m
9505			

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