Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9505 Multi-Conductor - Computer Cable for EIA RS-232 Applications

For more Information please call

1-800-Belden1



General Description:

24 AWG stranded (7x32) TC conductors, semi-rigid PVC insulation, twisted pairs, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain Wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
5	24	7x32	TC - Tinned Copper

Total Number of Conductors: 10

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
S-R PVC - Semi-Rigid Polyvinyl Chloride	0.279

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
24	7x32	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.813

Overall Cable

Overall Nominal Diameter: 7.341 mm

Pair

Pair Color Code Chart:

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

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +80°C	
UL Temperature Rating:	80°C (UL AWM Style 2464)	
Bulk Cable Weight:	59.528 Kg/Km	
Max. Recommended Pulling Tension:	244.651 N	
Min. Bend Radius/Minor Axis:	76.200 mm	

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Applicable Specifications and Agency Compliance (Overall)				
Applicable Standards & Environmental Program	ns			
NEC/(UL) Specification:	CMG			
CEC/C(UL) Specification:	CMG			
AWM Specification:	UL Style 2464 (300 V 80°C)			
CSA Specification:	AWMIA			
EU Directive 2011/65/EU (ROHS II):	Yes			
EU CE Mark:	Yes			
EU Directive 2000/53/EC (ELV):	Yes			
EU Directive 2002/95/EC (RoHS):	Yes			
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005			
EU Directive 2002/96/EC (WEEE):	Yes			
EU Directive 2003/11/EC (BFR):	Yes			
CA Prop 65 (CJ for Wire & Cable):	Yes			
MII Order #39 (China RoHS):	Yes			
Flame Test				
UL Flame Test:	UL1685 FT4 Loading			
CSA Flame Test:	FT4			
Plenum/Non-Plenum				
Plenum (Y/N):	No			
Plenum Number:	89505, 82505			

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohn	1)
75	

Nom. Capacitance Conductor to Conductor:



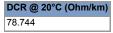
Nom. Capacitance Cond. to Other Conductor & Shield:



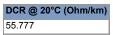
Nominal Velocity of Propagation:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:



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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9505 060U1000	1,000 FT	42.000 LB	CHROME		5 PR #24 PVC FS PVC
9505 060U500	500 FT	21.500 LB	CHROME		5 PR #24 PVC FS PVC
9505 060100	100 FT	4.800 LB	CHROME		5 PR #24 PVC FS PVC
9505 0601000	1,000 FT	44.000 LB	CHROME	С	5 PR #24 PVC FS PVC
9505 060500	500 FT	23.500 LB	CHROME	С	5 PR #24 PVC FS PVC
9505 0605000	5,000 FT	225.000 LB	CHROME	С	5 PR #24 PVC FS PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 09-25-2012

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