

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

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9503 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
3	24	7x32	TC - Tinned Copper

Total Number of Conductors: 6

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
S-R PVC - Semi-Rigid Polyvinyl Chloride	0.011

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 (in.)
PVC - Polyvinyl Chloride	0.032

Overall Cable

Overall Nominal Diameter: 0.232 in.

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White
3	Black & Green

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +80°C

UL Temperature Rating: 80°C (UL AWM Style 2464)

Bulk Cable Weight: 26 lbs/1000 ft.

Max. Recommended Pulling Tension: 33 lbs.

Min. Bend Radius/Minor Axis: 2.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMG

CEC/C(UL) Specification: CMG

AWM Specification: UL Style 2464 (300 V 80°C)

CSA Specification: AWM I A

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

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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:	89503, 82503

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
30

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
50

Nominal Velocity of Propagation:

VP (%)
60

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
24

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
17

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
1.76 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9503 060U1000	1,000 FT	28.000 LB	CHROME		3 PR #24 PVC FS PVC
9503 060U500	500 FT	15.000 LB	CHROME		3 PR #24 PVC FS PVC
9503 060100	100 FT	3.400 LB	CHROME		3 PR #24 PVC FS PVC
9503 0601000	1,000 FT	30.000 LB	CHROME	C	3 PR #24 PVC FS PVC
9503 060500	500 FT	14.500 LB	CHROME	C	3 PR #24 PVC FS PVC
9503 0605000	5,000 FT	140.000 LB	CHROME	C	3 PR #24 PVC FS PVC

Notes:

C = CRATE REEL PUT-UP.

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

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