

89503 Multi-Conductor - Computer Cable for EIA RS-232 Applications



For more Information
please call

1-800-Belden1



Description:

24 AWG stranded (7x32) tinned copper conductors, plenum, FEP insulation, twisted pair, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain wire, FEP jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
3	24	7x32	TC - Tinned Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
FEP - Fluorinated Ethylene Propylene	0.1524

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)
FEP - Fluorinated Ethylene Propylene	0.3556

Overall Cabling

Overall Nominal Diameter: 4.445 mm

Pair

Pair Color Code Chart:

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

Pair Lay Length & Direction:

Lay Length (mm)
25.3999

Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

Bulk Cable Weight: 31.996 Kg/Km

Max. Recommended Pulling Tension: 173.480 N

Min. Bend Radius (Install)/Minor Axis: 45.720 mm

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
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:	NFPA 262
C(UL) Flame Test:	FT6

Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	9503

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance ($\mu\text{H/m}$)
0.55777

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
68.901

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
131.24

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
79.0721

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
52.1679

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
1.5 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
89503 002100	30 MT	1.814 KG	RED	C	3 PR #24 FEP FS FEP

METRIC MEASUREMENT VERSION

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89503 0021000	305 MT	9.525 KG	RED	C	3 PR #24 FEP FS FEP
89503 002500	152 MT	4.763 KG	RED	C	3 PR #24 FEP FS FEP

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-17-2008

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