Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9540 Multi-Conductor - Computer Cable for EIA RS-232 Applications



For more Information please call

1-800-Belden1



General Description:

24 AWG stranded (7x32) tinned copper conductors, conductors cabled, semi-rigid PVC insulation, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
10	24	7x32	TC - Tinned Copper

Total Number of Conductors:

10

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.254

Outer Shield

Outer Shield Material:

Outer Shield Trade Name		Outer Shield Material	Coverage (%)
	Beldfoil®	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	0.8128

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White
3	Red
4	Green
5	Brown
6	Blue
7	Orange
8	Yellow
9	Purple
10	Gray

Overall Nominal Diameter: 6.198 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +80°C	
UL Temperature Rating:	80°C (UL AWM Style 2464)	
Bulk Cable Weight:	55.063 Kg/Km	

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Max. Recommended Pulling Tension:	244.651 N
Min. Bend Radius/Minor Axis:	63.500 mm

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)
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

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 98.43

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 180.455

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 82.025

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 59.058

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

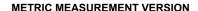
Current 1.75 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9540 060U1000	305 MT	17.237 KG	CHROME		10 #24 PVC FS PVC
9540 060U500	152 MT	8.845 KG	CHROME		10 #24 PVC FS PVC
9540 060100	30 MT	1.996 KG	CHROME		10 #24 PVC FS PVC
9540 0601000	305 MT	17.690 KG	CHROME	С	10 #24 PVC FS PVC

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9540 060500	152 MT	9.299 KG	CHROME	С	10 #24 PVC FS PVC
9540 0605000	1,524 MT	90.719 KG	CHROME		10 #24 PVC FS PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 08-03-2012

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