

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

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9542 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
20	24	7x32	TC - Tinned Copper

Total Number of Conductors: 20

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - 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	.032

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White
3	Red
4	Green
5	Orange
6	Blue
7	White/Black
8	Red/Black
9	Green/Black
10	Orange/Black
11	Blue/Black
12	Black/White
13	Red/White
14	Green/White
15	Blue/White
16	Black/Red
17	White/Red
18	Orange/Red
19	Blue/Red
20	Red/Green

Overall Nominal Diameter:

0.314 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:

-30°C To +80°C

UL Temperature Rating:

80°C (UL AWM Style 2464)

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Bulk Cable Weight: 64 lbs/1000 ft.

Max. Recommended Pulling Tension: 110 lbs.

Min. Bend Radius/Minor Axis: 3.250 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)

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/ft)
30

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
55

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
25

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
18

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
9542 060U500	500 FT	34.000 LB	CHROME		20 #24 PVC FS PVC
9542 060100	100 FT	7.300 LB	CHROME		20 #24 PVC FS PVC
9542 0601000	1,000 FT	69.000 LB	CHROME	C	20 #24 PVC FS PVC
9542 060500	500 FT	35.500 LB	CHROME	C	20 #24 PVC FS PVC
9542 0605000	5,000 FT	345.000 LB	CHROME	C	20 #24 PVC FS PVC

Notes:

C = CRATE REEL PUT-UP.

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Revision Number: 2 Revision Date: 09-07-2012

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