Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

9536 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
6	24	7x32	TC - Tinned Copper

Total Number of Conductors: 6

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

Overall Nominal Diameter: 5.309 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2464)
Bulk Cable Weight:	35.717 Kg/Km
Max. Recommended Pulling Tension:	146.791 N
Min. Bend Radius/Minor Axis:	57.150 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
NEC Articles:	800
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

Suitability

Suitability - Indoor:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
108.273

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
213.265

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:

Description	Current
10C Temperature Rise	1.75 Amps per conductor @ 25°C ambient

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9536 060U1000	1,000 FT	26.000 LB	CHROME		6 #24 PVC FS PVC
9536 060U500	500 FT	14.000 LB	CHROME		6 #24 PVC FS PVC

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9536 060100	100 FT	3.200 LB	CHROME		6 #24 PVC FS PVC
9536 0601000	1,000 FT	27.000 LB	CHROME	C	6 #24 PVC FS PVC
9536 060500	500 FT	13.500 LB	CHROME	C	6 #24 PVC FS PVC
9536 0605000	5,000 FT	130.000 LB	CHROME		6 #24 PVC FS PVC

Notes:
C = CRATE REEL PUT-UP.

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