

9541 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	s (Overall)	
Conductor		
AWG:		
	nding Conductor Material	
15 24 7x32	2 TC - Tinned Copper	
Total Number of Conducto	ors:	15
Insulation		
Insulation Material:		
	Vall Thickness (mm)	
PVC - Polyvinyl Chloride	.254	
Outer Shield		
Outer Shield Material:		
Outer Shield Trade Name	Outer Shield Material Cover	age (%)
Beldfoil®	Aluminum Foil-Polyester Tape 100	
Outer Shield Drain Wire AW	3:	
AWG Stranding Drain W	ire Conductor Material	
24 7x32 TC - Tin	ned Copper	
Outer Jacket		
Outer Jacket Material:		
	lom. Wall Thickness (mm)	
PVC - Polyvinyl Chloride		
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		
Overall Nominal Diameter	:	7.214 mm
lechanical Characteris	tics (Overall)	
Operating Temperature R	ange:	-30°C To +80°C
UL Temperature Rating:		80°C (UL AWM Style 2464)
Bulk Cable Weight:		77.386 Kg/Km
Max. Recommended Pulling Tension:		366.977 N

76.200 mm

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

9541 Multi-Conductor - Computer Cable for EIA RS-232 Applications

uL Flame Test: UL 1085 FT4 Loading CSA Fiame Test: FT4 utability Suitability - Indoor: Yes utability No No enum/Non-Plenum No No enum(Y/N): No No certical Characteristics (Overall) No No m. Capacitance Conductor to Conductor: Certical Characteristics (Overall) No m. Capacitance (pF/m) No No No 180.455 No No No No certical Characteristical DC Resistance: No No No	NEC/(UL) Specification:	CMG			
AVM Specification: UL Style 2464 (800 V 80°C) EU Directive 2001/36/EU (ROHS) II): Yes EU Directive 2000/36/EC (ELV): Yes EU Directive 2002/36/EC (ROHS): Yes EU Directive 2002/36/EC (ROHS): Yes EU Directive 2002/36/EC (WEEE): Yes CA Prop 55 (CJ for Wire & Cable): Yes mil Order #39 (China RoHS): Yes amo Tost UL 1885 FT4 Loading CSA Flame Test: UL 1885 FT4 Loading Ut Flame Test: UL 1885 FT4 Loading Stabability Yes Subtability - Indoor: Yes Plenum (V/N): No Catch Cacharoteristics (Overall) Mo mc Capacitance Cond. to Conductor & Shield: Capacitance Conductor to Conductor & Shield: Capacitance Cond. To Cher Conductor & Shield: Editability Subtability - Stability - Stabatance: US Point Cather Conductor Conductor & Shield: Capacitance Conductor Conductor & Shield: Capacitance Cond. To Cher Conductor & Shield: Capacitance Conductor Conductor & Shield: Capacitance Cond. To Cher Conductor & Shield: US Capacitance Cond. To Cher Conduct	NEC Articles:	800			
EU Directive 2011/69/EU (ROHS II): Yes EU CE Mark: Yes EU Directive 2002/99/EC (ROHS): Yes EU Directive 2002/99/EC (ROHS): Yes EU Deretive 2002/99/EC (ROHS): Yes EU Directive 2002/99/EC (ROHS): Yes All Order #39 (China ROHS): Yes MI Order #39 (China ROHS): Yes Suitability Suitability Suitability - Indoor: Yes Plenum (YAN): No Cetrical Characteristics (Overall) No Capacitance (Pfrm) Suitability 84.3 Guo Chine Conductor & Shield: Capacitance (Pfrm) Suitability 84.3 Guo Conductor DC Resistance: Capacitance (Pfrm) Suitability 84.3 Guo Conductor DC Resistance:	CEC/C(UL) Specification:	CMG			
EU CE Mark: Yes EU Directive 2003/SHEC (ELV): Yes EU Directive 2003/SHEC (RoHS): Yes EU Directive 2003/SHEC (SFR): Yes CA Prop 56 (CJ for Wire & Cable): Yes MI Order #38 (China RoHS): Yes Iame Test UL 1885 FT4 Loading CSA Flame Test: UL 1885 FT4 Loading CSA Flame Test: UL 1885 FT4 Loading CSA Flame Test: UL 1885 FT4 Loading Suitability - Indoor: Yes Isinum/Kon-Plenum Plenum (YM): Plenum (YM): No cacapacitance Conductor to Conductor: Capacitance (FIM) Gaacatance Conductor to Resistance: Directive 2003 (Km) Gaacatance Conductor to Resistance: Conductor Science: Directive 2003 (Km) Saac Ams Gaacatance Conductor to Resistance: Saac Ams	AWM Specification:	UL Style 2464 (300 V 80°C)			
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 2002/95/EC (WEEE): Yes EU Directive 2002/95/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): Yes Mil Order #39 (China RoHs): Yes Mil Order #39 (China RoHs): Yes UL Flame Test: UL 1685 FT4 Loading CSA Flame Test: UL 1685 FT4 Loading CSA Flame Test: UL 1685 FT4 Loading CSA Flame Test: Ves Utability - Indoor: Yes Virtability No Cetrical Characteristics (Overall) No Conscipacitance (Pfm) No Stability - Indoor: Yes Conscipacitance Conductor to Conductor Section Capacitance (Pfm) No Conscipacitance Conductor to Conductor & Shield: Section Capacitance (Pfm) Section Section Section Section Section Section Section Section Se	EU Directive 2011/65/EU (ROHS II):	Yes			
EU Directive 2002/95/EC (RoHS): Yes EU RoHS Compliance Date (mmiddlyyyy): 04/01/2005 EU Directive 2002/96/EC (WEEE): Yes Mil Order #38 (China RoHS): Yes Imm Test: UL1685 FT4 Loading CSA Flame Test: VL1685 FT4 Loading Controllor: Yes Suitability: No Controllor: Yes Suitability: No Controllor to Conductor: Conductor: Capacitance (offit) Yes Gaacitance (offit) Yes Conductor DC Resistance: Yes DCR 20°C (Ominkm) Yes Su030	EU CE Mark:	Yes			
EURoHS Compliance Date (mm/ddyyyy): 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 MI Order #39 (China RoHS): Yes Iame Test: UL 1685 FT4 Loading CSA Fiame Test: Ves Valuation: Yes Conductor to Conductor: Yes<	EU Directive 2000/53/EC (ELV):	Yes			
EU Directive 2002/B/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes MI Order #39 (China RoHS): Yes Iamo Test UL 1885 FT4 Loading CSA Flame Test: UL 1885 FT4 Loading CGA Flame Test: UL 1885 FT4 Loading Suitability - Indoor: Yes Iamo Test: UL 1885 FT4 Loading CGA Flame Test: UL 1885 FT4 Loading CGA Flame Test: Ves Iamo Test: Ves Iamo Test: Ves Iamo Test: Ves Oracle Control Ves Iamo Test: Ves <	EU Directive 2002/95/EC (RoHS):	Yes			
EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes MII Order #39 (China RoHS): Yes 'tame Test UL 1685 FT4 Loading CSA Plame Test: UL 1685 FT4 Loading Suitability FT4 Suitability Yes Plenum (YiN): Yes Plenum (YIN): No Capacitance Conductor to Conductor & Shield: Capacitance (pF/m) 180.455 tom. Capacitance Cond. to Other Conductor & Shield: Capacitance (pF/m) 180.455 tom. Capacitance (pF/m) 180.455 tom. Capacitance Cond. to Other Conductor & Shield: Capacitance (pF/m) 180.455 tom. Capacitance Cond. to Other Conductor & Shield: Capacitance (pF/m) 180.455 tom. Capacitance Cond. to Other Conductor & Shield: Capacitance (pF/m) 180.455 tom. Capacitance (pF/m) 180.456 <	EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005			
CA Prop 65 (CJ for Wire & Cable): Yes MI Order #39 (China RoHS): Yes UL Flame Test: UL 1685 FT4 Loading CSA Flame Test: UL 1685 FT4 Loading Suitability FT4 Suitability Yes Plenum (/N): Yes Plenum (/N): No CGapacitance (Pf/m) No Rom. Capacitance (Pf/m) Shield: Capacitance (Pf/m) Shield: Compacitance (Pf/m) Shield: Copacitance (Pf/m) Shield: Shield: Shield: Shield: Shield: Shield: Shield: Shield:	EU Directive 2002/96/EC (WEEE):	Yes			
MII Order #39 (China RoHS): Yes Image: Test UL 1885 FT4 Loading CSA Flame Test: UL 1885 FT4 Loading CSA Flame Test: UL 1885 FT4 Loading CSA Flame Test: VE Suitability Yes Suitability Yes Plenum (YiN): Yes Plenum (YiN): No Isocitance (or form) No Isocitance (or conductor to Conductor: Capacitance (or form) Isocitance (or form) Stability Isocitance (or form) Sta	EU Directive 2003/11/EC (BFR):	Yes			
UL Flame Test: UL 1685 FT4 Loading CSA Flame Test: FT4 Suitability Yes Suitability - Indoor: Yes Plenum (YAN): No Plenum (YAN): No Idectrical Characteristics (Overall) No Idectrical Characteristics (Overall) Suitability Sum. Capacitance Conductor to Conductor: Capacitance (pF/m) 98.43 Sum. Capacitance (pF/m) 98.43 Sum Conductor DC Resistance: DCR @ 20°C (Ohm/km) Sumana Capacitance (pF/m) 98.43 Sumana Capacitance (pF/m) 98.50 Sumana Capacitance (pF/m) <td>CA Prop 65 (CJ for Wire & Cable):</td> <td>Yes</td> <td></td>	CA Prop 65 (CJ for Wire & Cable):	Yes			
UL Fame Test: UL 1685 FT4 Loading CSA Flame Test: FT4 Suitability - Indoor: Yes Suitability - Indoor: Yes Plenum (VN): No Plenum (VN): No Capacitance Conductor to Conductor: Conductor to Conductor to Conductor: Capacitance (pf/m) 98.43 No Nom. Capacitance Conductor to Conductor & Shield: Capacitance (pf/m) 98.43 Nom. Capacitance Conductor to Shield: Capacitance (pf/m) 98.43 Nom. Capacitance Conductor Conductor & Shield: Capacitance (pf/m) 98.43 Nom. Capacitance Conductor DC Resistance: DCR @ 20°C (Ohm/km) 90.058 Nom. Capacitance (pf/m) 90.058 State	MII Order #39 (China RoHS):	Yes			
CSA Flame Test: FT4 Suitability suitability - Indoor: Suitability - Indoor: Yes Plenum (V/N): No Plenum (V/N): No Capacitance Conductor to Conductor: Capacitance (pF/m) 98.4.3 Nom. Capacitance (pF/m) 180.455 Nom. Capacitance (pF/m) Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/km) 92.225 Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/km) Souse 93.048 Max. Operating Voltage - UL: Voltage Watage	lame Test				
Suitability - Indoor: Yes Plenum (Y/N): No Plenum (Y/N): No Electrical Characteristics (Overall) Nom. Capacitance Conductor to Conductor: Capacitance (DF/m) 98.4.3 Nom. Capacitance (DF/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 Max. Recommended Current:	UL Flame Test:	UL1685 FT4 Loading			
Suitability - Indoor: Yes Plenum/Non-Plenum No Plenum (Y/N): No Capacitance Conductor to Conductor: Capacitance (pF/m) S8.43 Sector Conductor & Shield: Capacitance (pF/m) Sector Conductor & Shield: Sector Capacitance (pF/m) Sector Conductor & Shield: Capacitance (pF/m) Sector Conductor & Shield: Capacitance (pF/m) Sector Conductor & Shield: Sector Capacitance (pF/m) Sector Conductor & Shield: Capacitance (pF/m) Sector Conductor & Shield: Sector Capacitance (pF/m) Sector Conductor & Shield: Sector Capacitance (pF/m) Sector Capacitance (pF/m) Sector Capacitance (pF/m) Sector Capacitance Sector Capacitance (pF/m) Sector Capacitance <td>CSA Flame Test:</td> <td>FT4</td> <td></td>	CSA Flame Test:	FT4			
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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:					
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:	180.455				
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59.058 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current:					
Voltage 300 V RMS Max. Recommended Current:					
Voltage 300 V RMS Max. Recommended Current:	lax. Operating Voltage - UL:				
	Voltage				
Description Current	fax. Recommended Current:				

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9541 060U1000	1,000 FT	54.000 LB	CHROME		15 #24 PVC FS PVC
9541 060U500	500 FT	27.500 LB	CHROME		15 #24 PVC FS PVC
9541 060100	100 FT	5.900 LB	CHROME		15 #24 PVC FS PVC
9541 0601000	1,000 FT	56.000 LB	CHROME	С	15 #24 PVC FS PVC
9541 060500	500 FT	28.000 LB	CHROME	С	15 #24 PVC FS PVC
9541 0605000	5,000 FT	285.000 LB	CHROME		15 #24 PVC FS PVC

Notes: C = CRATE REEL PUT-UP.

Detailed Specifications & Technical Data



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Revision Number: 2 Revision Date: 08-06-2013

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product. 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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 01364.35T.01
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 CS8782-000
 CS9912-000
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 752687-000
 768146-000
 773159-000
 7934A-BLK

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 8125-CHR-100
 8205-CHR-1000
 8240-BLK-U1000
 82723-NAT-1000
 82907-NAT-500
 83003-YEL-500
 83005-WHT-500

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 83009-BLK-100
 83009-VIO-100
 83009-VIO-100
 83009-VIO-100
 83009-VIO-100