

9841 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-485 Applications

For more Information please call

1-800-Belden1



General Description:

24 AWG stranded (7x32) TC conductors, polyethylene insulation, twisted pairs, overall Beldfoil® (100% coverage) + TC braid shield (90% coverage), 24 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)	
Conductor	
AWG:	
# Pairs AWG Stranding Conductor Material 1 24 7x32 TC - Tinned Copper	
Total Number of Conductors:	2
	2
Insulation Insulation Material:	
Insulation MaterialWall Thickness (in.)PE - Polyethylene0.023	
Outer Shield Outer Shield Material:	
Layer # Outer Shield Trade Name Type Outer Shield Materia	
1 Beldfoil® (w/ shorting fold) Tape Aluminum Foil-Polyes	
2 Braid TC - Tinned Copper	90.000
AWG Stranding Drain Wire Conductor Material 24 7x#32 TC - Tinned Copper	
Outer Jacket	
Outer Jacket Material:	
Outer Jacket Material Nom. Wall Thickness (in.)	
PVC - Polyvinyl Chloride 0.035	
Overall Cable	
Overall Cabling Fillers:	Fibrous Polypropylene
Length (in.) Direction 2.500 Left Hand 4.800	
Overall Nominal Diameter:	0.232 in.
Pair	
Pair Color Code Chart:	
Color White/Blue and Blue/White	
Mechanical Characteristics (Overall)	
Operating Temperature Range:	-30°C To +80°C
Bulk Cable Weight:	36 lbs/1000 ft.
Max. Recommended Pulling Tension:	72.300 lbs.
Min. Bend Radius/Minor Axis:	2.500 in.
Applicable Specifications and Agency Compliance	
Applicable Specifications and Agency Compliance Applicable Standards & Environmental Programs	
NEC/(UL) Specification:	СМ
NEC Articles:	800
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 2919 (30 V 80°C)
EU Directive 2011/65/EU (ROHS II):	Yes

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

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EU Directive 2020/96/EC (#0515): Yes EU Arisetive 2020/96/EC (#0515): Yes EU Directive 2020/96/EC (#0515): Yes Micro 2021 (Fuin Routh): Yes Micro 2021 (Fuin Routh): Yes EU Treat UL 1005 UL Loading GA Finam Test: UL 1005 UL Loading GA Finam Test: UL 1005 UL Loading Finam Test: UL 1005 UL Loading Finam Test: Ves Finam Test: No Perum (YA): No Perum (YA): No Perum (YA): No Non-Capacteristic (Ovorall) No Non-Capacteristic Inpoductor: No Statistic Information: No Non-Capacteristic Inpoductor: No Statistic Information: No Non-Capacteristic Inpoductor: No Statistic Information: No Statis Constatistic Information: No	EU CE Mark:		Yes				
EU Roki S Compliance Date (mm/dd/yyy): 01012034 EU Directive 2023/9E/C (WEEE): Yes EU Directive 2023/9E/C (WEEE): Yes EU Directive 2023/9E/C (WEEE): Yes MI Order #28 (Chins Rokis): Yes U Carl #26 (Chins Rokis): Yes ET TO ET UL Heam Test: UL Holds UL Loading GA Frag #C for Wie & Carl #20 (Chins Rokis): Yes Statistion - Inform: Yes Percent/Non-Pferum Percent/Non-Pferum Percent/Non-Pferum E2641, 88641 Non: Characteristics (Overall) Non: Characteristics (Overall) Non: Characteristics (Overall) Non: Characteristics (Overall) <tr< th=""><th>EU Directive 2000/53/EC (EL)</th><th>/):</th><th>Yes</th><th></th><th></th><th></th><th></th></tr<>	EU Directive 2000/53/EC (EL)	/):	Yes				
EU Directive 2023/PEC (WEEF): Yes EU Directive 2023/PEC (WEEF): Yes CA Prop 56 (CJ for Wie & Cubb): Yes Mill order 302 (Mine Actis): Yes Mill order 302 (Mine Actis): Yes EU Directive 2023/PEC (WEEF): Yes Mill order 302 (Mine Actis): Yes EU Directive 2023/PEC (WEEF): Yes Suitability: Suitability: Yes Suitability: No No Planum (Winbre: No No Planum (Winbre: No No Non-Capacitance Contiutor Conductor: Concellance (Ff0) No Yes No No Conscitance (Ff0) Suitability: Suitability: Yes No No Disc 2010 (Conductor Conductor Suitability: Suitability: No Suitability: Suitability: Suitability: <th>EU Directive 2002/95/EC (Rol</th> <th>HS):</th> <th>Yes</th> <th></th> <th></th> <th></th> <th></th>	EU Directive 2002/95/EC (Rol	HS):	Yes				
EV Directive 200411/EC (BFR): Yes EV Directive 200411/EC (BFR): Yes MI Order #39 (China RoMS): Yes Filme Test: UL 1085 UL Loading GA Filme Test: UL 1085 UL Loading GA Filme Test: UL 1085 UL Loading GA Filme Test: Fil Suitability Yes Penum Number: 25341, 85841 Electrical Characteristics (Devalit) No Nort: Characteristics (Inpedance): Nort: Norteristics (Inpedance): Microacteristics (Conductor Conductor E Shield): Signalamane Conductor Conductor E Shield): Tegaalamace (Conductor Conductor E Shield): Signalamane Conductor Conductor E Shield): VE (%) Norteristics (Conductor E Shield): VE (%) Norteristics (Conductor E Shield): Distry (min) Norteristics (Conductor E Shield): VE (%) Norteristics (Conductor E Shield): Norteristics (Conductor E Shield): Signalamane (Shield): Distry (min) Norteristics (Conductor E Shield): VE (%) Norteristics (Conductor E Shield): Norteristics (Conductor E Shield): Signalamane (Shield): <tr< th=""><th>EU RoHS Compliance Date (</th><th>.nm/dd/yyyy):</th><th>01/01/2004</th><th></th><th></th><th></th><th></th></tr<>	EU RoHS Compliance Date (.nm/dd/yyyy):	01/01/2004				
CAP rop 65 (C./ for Win & Cable); Yes MIC dor #28 (Chinn RotS); Yes Flame Test: UL 1085 UL Loading CSA Fine Test: UL 1085 UL Loading Stribulity Fine Suitability Yes Percum Trop; Yes Percum Trop; Yes Percum Trop; No Mon. Characteristics (Overall) Now Nom. Characteristics (Overall) Now <td< th=""><th>EU Directive 2002/96/EC (WE</th><th>.EE):</th><th>Yes</th><th></th><th></th><th></th><th></th></td<>	EU Directive 2002/96/EC (WE	.EE):	Yes				
Mit Order #34 (2Mina RoHS): Yes Fam: Test: UL (1865 UL Loading GSA Fame Test: FT1 Subality: House Buttability: No Person Yes Person Yes Person No Person Subality: Monacteristic Impedance: No Impedance Conductor to Conductor: Capacitance Conductor to Conductor: Capacitance Conductor to Conductor: Capacitance Conductor to Conductor: Capacitance Conductor to Conductor & Shield: Capacitance Conductor to Conductor & Shield: Capacitance Conductor to Conductor & Shield: Capacitance Conductor Poly Statistic Test Statistic Shield: Capacitance Conductor to Resistance: Statistic Test Statistic Virtition Statistic Test Statistic Statistic Test Statistic Test Statistic Statistic Test Statistic Statistic Test Statistic Statistic Test Statististic<	EU Directive 2003/11/EC (BFI	ג):	Yes				
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U. Fame Test: UL 1850 UL Loading GA Flame Test: F1 Subality - Indoo: Yes Permum Yon - Plenum No Permum Yon - Plenum 8241, 8841 Permum Yon - Standard Control Conductors Salading - Indoo Tomacrateristic Impedances (Diff) No Non- Capacitance Conductor to Conductors Salading - Indoo Subality - Indoo Salading - Indoo Non- Capacitance Conductor to Conductors Salading - Indoo Subality - Indoo Salading - Indoo Non- Capacitance Conductor to Conductors Salading - Indoo Subality - Indoo Salading - Indoo Non- Capacitance Conductor to Conductor & Shield: Salading - Indoo Subality - Indoo Salading - Indoo Non- Capacitance Conductor Devectoriant Salading - Indoo Salading - Indoo Salading - I	MII Order #39 (China RoHS):		Yes				
CSA Plane Test: F11 Suitability Juitability Juitability Index Plane Munder: Plenum (YN): No Plenum Number: 62041,88041 Electrical Characteristics (Overall) Nom. Characteristics (Overall) Nom. Characteristics (Overall) Nom. Characteristic Impedance: Nom. Characteristic Impedance: Impedance (Pfin) 120 Suitability Nom. Sequelatance Conductor & Shield: Capacitance (Pfin) 120 Suitability Nominal Oblary: Description Discription for foo Suitability 130 Commin Suitability - House Suitability Nominal Outer Shield CC Resistance: Discription foo 130 Suitability - House Suitability Nominal Outer Shield CC Resistance: Suitability - House Suitability 1300 Suitability - Houseseconductore	Flame Test						
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Suitability - Indoor: Yes Pierum No Pierum (YN):	CSA Flame Test:		FT1				
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Nom. Characteristic Impedance: Impedance (Omm) 120 Nom. Capacitance Conductor to Conductor: Section Conductor to Other Conductor: Section Conductor to Other Conductor: Section Conductor to Other Conductor: Section Conductor of The Conductor: Section Conductor of The Conductor: Section Conductor of Conductor: Ver (%) Section Conductor DC Resistance: DeR Section Conductor DC Resistance: Section Conductor DC Resistance: DeR Section Conductor Condo	Plenum Number:		82841, 898	41			
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Voltage Description 300 V RMS Type CM 30 V RMS AWM2919 Max. Recommended Current: Description Current 10C temperature rise 2.1 Amps per conductor @ 25°C ambient	Capacitance (pF/ft) 12.8 Nom. Capacitance Cond. to Other Capacitance (pF/ft) 23 Nominal Velocity of Propagation: VP (%) 66 Nominal Delay: Delay (ns/ft) 1.6 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 24 Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 3.4 Nom. Attenuation: Freq. (MHz) Attenuation (dB/ft)	Conductor & Shield:					
	Voltage Description 300 V RMS Type CM 30 V RMS AWM2919 Max. Recommended Current: Current Description Current 10C temperature rise 2.1 Amps	per conductor @ 25°C ambient					
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Item #	Putup	Ship Weight	Color	Notes	Item Desc
9841 060100	100 FT	4.300 LB	CHROME		1 PR #24 PE SH PVC
9841 0601000	1,000 FT	40.000 LB	CHROME	С	1 PR #24 PE SH PVC
9841 06010000	10,000 FT	380.000 LB	CHROME	С	1 PR #24 PE SH PVC
9841 060500	500 FT	20.000 LB	CHROME	С	1 PR #24 PE SH PVC
9841 0605000	5,000 FT	200.000 LB	CHROME		1 PR #24 PE SH PVC

Notes:

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C = CRATE REEL PUT-UP.

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