Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

9927 Multi-Conductor - Low-Capacitance Computer Cable for EIA RS-232/423



For more Information please call

1-800-Belden1



General Description:

24 AWG stranded (7x32) TC conductors, Datalene® insulation, overall Beldfoil® (100% coverage) + TC braid shield (65% coverage), drain wire, PVC jacket.

Physical Characteristics (Overall)	
Conductor	
AWG:	
# Conductors AWG Stranding Conductor Material	
4 24 7x32 TC - Tinned Copper	
Total Number of Conductors:	4
Insulation	
Insulation Material:	
Insulation Trade Name Insulation Material Wall Thicknes Datalene® FPE - Foam Polyethylene 0.015	·s (m.)
Outer Shield Outer Shield Material:	
Layer # Outer Shield Trade Name Type Outer Shield Material	Coverage (%)
1 Beldfoil® (Z-Fold®) Tape Aluminum Foil-Polyeste	
2 Braid TC - Tinned Copper	65
Outer Shield Drain Wire AWG:	
AWG Stranding Drain Wire Conductor Material 24 Stranded TC - Tinned Copper	
Outer Jacket	
Outer Jacket Material:	
Outer Jacket Material Nom. Wall Thickness (in.) PVC - Polyvinyl Chloride 0.035	
Overall Cable	
Overall Cable Overall Cabling Color Code Chart: Number Color 1 Black 2 White 3 Red 4 Green	
Number Color 1 Black 2 White 3 Red	0.219 in.
Number Color 1 Black 2 White 3 Red 4 Green	0.219 in.
Number Color 1 Black 2 White 3 Red 4 Green	0.219 in. -30°C To +80°C
Number Color 1 Black 2 White 3 Red 4 Green Overall Nominal Diameter: Mechanical Characteristics (Overall)	
Overall Cabling Color Code Chart: Number Color 1 Black 2 White 3 Red 4 Green Overall Nominal Diameter: Mechanical Characteristics (Overall) Operating Temperature Range:	-30°C To +80°C
Overall Cabling Color Code Chart: Number Color 1 Black 2 White 3 Red 4 Green Overall Nominal Diameter: Mechanical Characteristics (Overall) Operating Temperature Range: UL Temperature Rating:	-30°C To +80°C 80°C (UL AWM Style 2919)
Overall Cabling Color Code Chart: Number Color 1 Black 2 White 3 Red 4 Green Overall Nominal Diameter: Mechanical Characteristics (Overall) Operating Temperature Range: UL Temperature Rating: Bulk Cable Weight: Min. Bend Radius/Minor Axis:	-30°C To +80°C 80°C (UL AWM Style 2919) 29 lbs/1000 ft. 2.125 in.
Overall Cabling Color Code Chart: Number Color 1 Black 2 White 3 Red 4 Green Overall Nominal Diameter: Mechanical Characteristics (Overall) Operating Temperature Range: UL Temperature Rating: Bulk Cable Weight: Min. Bend Radius/Minor Axis: Applicable Specifications and Agency Compliance (real Applicable Standards & Environmental Programs	-30°C To +80°C 80°C (UL AWM Style 2919) 29 lbs/1000 ft. 2.125 in. Overall)
Overall Cabling Color Code Chart: Number Color 1 Black 2 White 3 Red 4 Green Overall Nominal Diameter: Mechanical Characteristics (Overall) Operating Temperature Range: UL Temperature Rating: Bulk Cable Weight: Min. Bend Radius/Minor Axis:	-30°C To +80°C 80°C (UL AWM Style 2919) 29 lbs/1000 ft. 2.125 in.
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Overall Cabling Color Code Chart: Number Color 1 Black 2 White 3 Red 4 Green Overall Nominal Diameter: Mechanical Characteristics (Overall) Operating Temperature Range: UL Temperature Rating: Bulk Cable Weight: Min. Bend Radius/Minor Axis: Applicable Specifications and Agency Compliance (Applicable Standards & Environmental Programs NEC/(UL) Specification:	-30°C To +80°C 80°C (UL AWM Style 2919) 29 lbs/1000 ft. 2.125 in. Overall) CM
Overall Cabling Color Code Chart: Number Color 1 Black 2 White 3 Red 4 Green Overall Nominal Diameter: Mechanical Characteristics (Overall) Operating Temperature Range: UL Temperature Rating: Bulk Cable Weight: Min. Bend Radius/Minor Axis: Applicable Specifications and Agency Compliance (I Applicable Standards & Environmental Programs NEC/(UL) Specification: CEC/C(UL) Specification:	-30°C To +80°C 80°C (UL AWM Style 2919) 29 lbs/1000 ft. 2.125 in. Overall) CM CM
Overall Cabling Color Code Chart: Number Color 1 Black 2 White 3 Red 4 Green Overall Nominal Diameter: Mechanical Characteristics (Overall) Operating Temperature Range: UL Temperature Rating: Bulk Cable Weight: Min. Bend Radius/Minor Axis: Applicable Specifications and Agency Compliance (I Applicable Standards & Environmental Programs NEC/(UL) Specification: CEC/C(UL) Specification: AWM Specification:	-30°C To +80°C 80°C (UL AWM Style 2919) 29 lbs/1000 ft. 2.125 in. Overall) CM CM UL Style 2919 (30 V 80°C)
Overall Cabling Color Code Chart: Number Color 1 Black 2 White 3 Red 4 Green Overall Nominal Diameter: Mechanical Characteristics (Overall) Operating Temperature Range: UL Temperature Rating: Bulk Cable Weight: Min. Bend Radius/Minor Axis: Applicable Specifications and Agency Compliance (Applicable Standards & Environmental Programs NEC/(UL) Specification: CEC/C(UL) Specification: AWM Specification: EU Directive 2011/65/EU (ROHS II):	-30°C To +80°C 80°C (UL AWM Style 2919) 29 lbs/1000 ft. 2.125 in. Overall) CM CM UL Style 2919 (30 V 80°C) Yes

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UL Flame Test: UL 1085 UL Loading Plenum (YIN): No Inductance (UHTI) Inductance (UHTI) 12 Stapacitance (PfTI) Inductance Stapacitance (PfTI) Inductor DC Resistance: VPT (%) Stapacitance (PfTI) Inductor DC Resistance: VPT (%) Stapacitance (PfTI) Inductor DC Resistance: VPT (%) Stapacitance (PfTI) 24 Stapacitance (PfTI) 25 Stapacitance (PfTI) 24 Stapacitance (PfTI) 25 Stapacitance (PfTI) 23 Stapacitance (PfTI) 24 Stapacitan		
EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes MI Order #39 (China RoHS): Yes U. Flame Test: UL 1085 UL Loading Plenum (YM): No Identification (GHT) Identification (GHT) Identification (GHT) Identification (GHT) <	EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
CAP rop 65 (CJ for Wire & Cable): Yes MI Order #39 (China Reh5): Yes Status UL (695 UL Loading Use Flame Test: UL (695 UL Loading Denum/No-Plenum No Penum (YN): No Identical Characteristics (Overall) No Identical Character (Identify Identify I	EU Directive 2002/96/EC (WEEE):	Yes
Mil Order #39 (China RoHS): Yes Tame Test UL 185 UL Loading UL Flame Test: UL 185 UL Loading VenumOn-Plenum Plenum (YN): Plenum (YN): No Inductance: Inductance: Inductance:	EU Directive 2003/11/EC (BFR):	Yes
Image Test: UL 1685 UL Loading VL Flame Ten:: UL 1685 UL Loading Plenum (Y/N): No Image Test: Image Test: Image Test: <	CA Prop 65 (CJ for Wire & Cable):	Yes
UL Fiamo Test: UL 1085 UL Loading Plenum VNN: No Identify YN: No Ident	MII Order #39 (China RoHS):	Yes
Plenum YNon-Plenum Plenum YNN: No	Flame Test	
Perum (YN): No Detection Characteristics (Overall) Unit inductance: Implications: Implications: Implications: Implication: Implications:	UL Flame Test:	UL1685 UL Loading
Iductance (ul/ft) 21 21 21 21 21 21 21 21 21 21 21 21 21 22 23 24 25 26 26 27 28 29 20 20 21 22 23 24 25 24 25 26 20 F MS 21 22 23 24 25 25 26 20 20 20 20 20 20 20 20 20 20 20 20 20	Plenum/Non-Plenum	
Inductance Inductance <td>Plenum (Y/N):</td> <td>No</td>	Plenum (Y/N):	No
Inductance Inductance <td>Electrical Characteristics (Overall)</td> <td></td>	Electrical Characteristics (Overall)	
21 Nom. Capacitance Conductor to Conductor: Capacitance (pf/f) 2 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 24 Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 5.31 So V RMS 30 V RMS 30 V RMS Source Carearian (Stage Section) 30 V RMS Source Soure Source	Nom. Inductance:	
Capacitance (pF/ft) 12 Som. Capacitance (pF/ft) 22 Sominal Velocity of Propagation: VP (%) 7a Som. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 24 Sominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 5.31 state Soprating Voltage - UL: Voltage Description 30 V RMS VIMS VIMS Sovermended Current: Current 1.8 Amps per conductor @ 25°C		
Capacitance (pF/ft) 12 Som. Capacitance (pF/ft) 22 Sominal Velocity of Propagation: VP (%) 7a Som. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 24 Sominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 5.31 state Soprating Voltage - UL: Voltage Description 30 V RMS VIMS VIMS Sovermended Current: Current 1.8 Amps per conductor @ 25°C	Nom. Capacitance Conductor to Conductor:	
Vom. Capacitance Cond. to Other Conductor & Shield: Capacitance (pF/ft) 22 Vom. Conductor Propagation: VP (%) Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 24 Sominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 5.31 Max. Operating Voltage - UL: Voltage Description 30 V RMS UL AWM Style 2919 300 V RMS CM La Awm Style 2919 300 V RMS CM 1.8 Amps per conductor @ 25°C	Capacitance (pF/ft)	
Capacitance (pF/ft) 22 Sominal Velocity of Propagation: VP (%) Som. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 24 Sominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 5.31 Max. Operating Voltage - UL: Voltage Description 30 V RMS UL AWM Style 2919 300 V RMS CM Ask. Recommended Current: Current 1.8 Amps per conductor @ 25°C		
VP (%) 78 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 24 Nominal Outer Shield DC Resistance: DER @ 20°C (Ohm/1000 ft) 5.31 Max. Operating Voltage - UL: Voltage Description 30 V RMS UL AWM Style 2919 300 V RMS CM Max. Recommended Current: Current 1.8 Amps per conductor @ 25°C	Capacitance (pF/ft)	
VP (%) 78 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 24 Nominal Outer Shield DC Resistance: DER @ 20°C (Ohm/1000 ft) 5.31 Max. Operating Voltage - UL: Voltage Description 30 V RMS UL AWM Style 2919 300 V RMS CM Max. Recommended Current: Current 1.8 Amps per conductor @ 25°C	Nominal Velocity of Propagation:	
DCR @ 20°C (Ohm/1000 ft) 24 Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 5.31 Max. Operating Voltage - UL: Voltage Description 30 V RMS JUL AWM Style 2919 300 V RMS Ax. Recommended Current: Current 1.8 Amps per conductor @ 25°C	VP (%)	
24 Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 5.31 Max. Operating Voltage - UL: Voltage Description 30 V RMS UL AWM Style 2919 300 V RMS CM Max. Recommended Current: Current 1.8 Amps per conductor @ 25°C	Nom. Conductor DC Resistance:	
DCR @ 20°C (Ohm/1000 ft) 5.31 Max. Operating Voltage - UL: Voltage Description 30 V RMS UL AWM Style 2919 300 V RMS CM Max. Recommended Current: Current 1.8 Amps per conductor @ 25°C Notes (Overall)		
5.31 Max. Operating Voltage - UL: Voltage Description 30 V RMS UL AWM Style 2919 300 V RMS CM Max. Recommended Current: Current 1.8 Amps per conductor @ 25°C Notes (Overall)	Nominal Outer Shield DC Resistance:	
Voltage Description 30 V RMS UL AWM Style 2919 300 V RMS CM Max. Recommended Current:		
Voltage Description 30 V RMS UL AWM Style 2919 300 V RMS CM Max. Recommended Current:	Max. Operating Voltage - UL:	
300 V RMS CM Max. Recommended Current: Current 1.8 Amps per conductor @ 25°C totes (Overall)		
Current 1.8 Amps per conductor @ 25°C otes (Overall)		
1.8 Amps per conductor @ 25°C otes (Overall)	Max. Recommended Current:	
	Notes (Overall)	
cruch registance and light weight	Notes: Datalene® insulation features include a low dielectric	constant and a low dissipation factor for high-speed, low-distortion data handling. Physical properties include good

crush resistance and light weight.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9927 060100	100 FT	3.500 LB	CHROME		4 #24 FHDPE SH PVC
9927 0601000	1,000 FT	29.000 LB	CHROME	С	4 #24 FHDPE SH PVC
9927 060500	500 FT	15.000 LB	CHROME	С	4 #24 FHDPE SH PVC
9927 0605000	5,000 FT	145.000 LB	CHROME		4 #24 FHDPE SH PVC

Notes: C = CRATE REEL PUT-UP.

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