Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

8118 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232/422



For more Information please call

1-800-Belden1



General Description:

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

/sical (Characteristics (Over	all)							
nductor		,							
	s AWG Stranding Conduct	or Material							
18		ed Copper							
Total N	lumber of Conductors:			36					
ulation									
	n Material:								
Insulat Dataler	tion Trade Name Insulation ne® FPE - Foar	Material Polyethylene	Wall Thickness 0.015	s (in.)					
ter Shie	eld ield Material:								
	# Outer Shield Trade Name	Tuno Outor (biold Motorial		Coverage (%)				
1	Beldfoil®			Tape w/Shorting Fold		'			
2		Braid TC - Tir		rape w/onorang rold	65	-			
	ield Drain Wire AWG:					1			
	Stranding Drain Wire Cond 7x32 TC - Tinned Copp ket								
	ket Material:								
Outer	Jacket Material Nom. Wal	Thickness (in	.)						
DV/O									
PVC -	Polyvinyl Chloride 0.048								
erall Ca	ible			0.507.in					
erall Ca				0.537 in.					
erall Ca Overall ir	ble I Nominal Diameter:			0.537 in.					
erall Ca Overall ir Pair Color	ible I Nominal Diameter: r Code Chart:	_		0.537 in.			 	 	
erall Ca Overall ir Pair Color Numbe	ible I Nominal Diameter: r Code Chart: er Color			0.537 in.			 	 	
erall Ca Overall ir Pair Color Numbe	I Nominal Diameter: r Code Chart: er Color White/Blue & Blue/White	hite		0.537 in.			 	 	
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erall Ca Overall ir Pair Color Numbe	I Nominal Diameter: r Code Chart: er Color White/Blue & Blue/White White/Orange & Orange/W White/Green & Green/Whi	e		0.537 in.			 	 	
erall Ca Overall ir Pair Color 1 2 3	I Nominal Diameter: r Code Chart: er Color White/Blue & Blue/White White/Orange & Orange/W White/Green & Green/Whi White/Brown & Brown/Whi	e		0.537 in.			 	 	
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erall Ca Overall Pair Color Number 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 Chanica	ble I Nominal Diameter: r Code Chart: er Color White/Blue & Blue/White White/Orange & Orange/W White/Green & Green/Whit White/Gray & Gray/White Red/Orange & Orange/Red Red/Orange & Orange/Red Red/Green & Green/Red Red/Gray & Gray/Red Black/Blue & Blue/Black Black/Orange & Orange/Bl Black/Green & Green/Blac Black/Gray & Gray/Black Yellow/Blue & Blue/Yellow Yellow/Green & Green/Yellow	e e I ack k i ellow ow		0.537 in.					

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	133 lbs/1000 ft.
Max. Recommended Pulling Tension:	203.500 lbs.
Min. Bend Radius/Minor Axis:	5.500 in.
pplicable Specifications and Agency Compliance	ce (Overall)
pplicable Standards & Environmental Programs	
NEC/(UL) Specification:	СМ
CEC/C(UL) Specification:	СМ
AWM Specification:	UL Style 2919 (30 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):	01/01/2004
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
ame Test	
UL Flame Test:	UL1685 UL Loading
lenum/Non-Plenum	
Plenum (Y/N):	No
ectrical Characteristics (Overall) om. Characteristic Impedance: Impedance (Ohm)	
Impedance (Ohm) 100 1100 1100 1111 1111 1111 1111	
Impedance (Ohm) 100 100 100 100 100 100 100 100 100 100 100 1100 <t< td=""><td></td></t<>	

Notes: Datalene® insulation features include low dielectric constant and a 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
8118 060100	100 FT	15.000 LB	CHROME	С	18 PR #24 FHDPE SH PVC
8118 0601000	1,000 FT	141.000 LB	CHROME	С	18 PR #24 FHDPE SH PVC

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 8118 060500	500 FT	70 500 1 0	CHROME	<u>^</u>	18 PR #24 FHDPE SH PVC
 8118 060500	1500 F I	70.500 LB		0	18 PR #24 FHDPE SH PVC

Notes

C = CRATE REEL PUT-UP.

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