Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

8135 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232/485

For more Information please call



1-800-Belden1



General Description:

28 AWG stranded (7x36) TC conductors, Datalene® insulation, overall Beldfoil® (100% coverage) + TC braid shield (65% coverage), 28 AWG stranded TC drain wire, PVC jacket

onduct		acteris	stics (Ov	erall)			
		uotorit		orany			
AWG:							
# Pair	rs AWG	Strandir	ng Conducto	or Materi	ial		
5	28	7x36	TC - Tinne	ed Coppe	er		
Total	Numbe	er of Co	nductors:		10		
n <mark>sulatio</mark> Insulati		terial:					
Insula	ation Tra	ade Name	Insulation	Material	Wall Thickness (mm)		
Datalene® FPE - Foam Polyethylene 0.381				n Polyetł	nylene 0.381		
			1				
Outer Sh		loto					
		Material:		Tune	Dutar Chield Material		
1	Beld		Trade Name		Duter Shield Material Numinum Foil-Polyester Tape w/Shorting Fo	Coverage (%)	
2	Delu				C - Tinned Copper	65	
2						85	
28	7x36	-	Wire Condu Tinned Coppe		terial		
28 Outer Ja	7x36 cket	TC -	Tinned Coppe		terial		
28 Outer Ja Outer J	7x36 <mark>cket</mark> acket I	TC - TC	Tinned Coppe	er			
28 Outer Jac Outer J Outer	7x36 cket acket f Jacket	TC -	Tinned Coppe	er			
28 Outer Jac Outer J Outer PVC -	7x36 cket acket I Jacket	TC - TC	Tinned Coppe	er			
28 Outer Jac Outer J Outer	7x36 cket acket I Jacket	TC -	Tinned Coppe	er			
28 Outer Jac Outer J Outer J PVC -	7x36 cket acket I Jacket Polyvin Cable	TC -	Nom. Wal	er			
28 Outer Jac Outer J Outer J PVC -	7x36 cket acket I Jacket Polyvin Cable	TC -	Nom. Wal	er	ess (mm)		
28 Outer Ja Outer J PVC - Overall C Overall Overa	7x36 cket acket I Jacket Polyvin Cable all Nom	TC -	Tinned Coppe Nom. Wal e 0.889 meter:	er	ess (mm)		
28 Outer Jac Outer J PVC - Overall C Overall C Overa	7x36 cket acket I Jacket Polyvin Cable all Nom	TC - Material: Material IVI Chlorid hinal Dia de Chart	Tinned Coppe Nom. Wal e 0.889 meter:	er	ess (mm)		
28 Outer Jac Outer J PVC - Overall C Overall C Overa	7x36 cket acket I Jacket Polyvin Cable all Nom	TC - Material: Material IVI Chlorid Ninal Dia de Chart	Tinned Coppe Nom. Wal e 0.889 meter:	er	ess (mm)		
28 Outer Jac Outer J PVC - Overall C Overall C Overal Pair Co Numb	7x36 cket acket I Jacket Polyvin Cable all Nom lor Coc per Colc Whit	TC - Material: Material yl Chlorid ninal Dia de Chart or re/Blue & l	Nom. Wal e 0.889 meter:	er Il Thickn	ess (mm)		
28 Outer Jac Outer J Outer J PVC - Overall C Overall C Overal Pair Co Numb 1	7x36 cket acket I y Jacket Polyvin Cable all Nom lor Coo per Colo Whit Whit	TC - Material: Material Nyl Chlorid ninal Dia de Chart or re/Blue & l ie/Blue & l	Nom. Wal e 0.889 meter:	er II Thickn	ess (mm)		
28 Outer Jac Outer J PVC - Overall C Overall C Overall Pair Co Numb 1 2	7x36 cket acket I Jacket Polyvin Cable all Nom lor Coo per Colo Whit Whit Whit	TC - Material Material Null Chlorid Ninal Dia de Chart Dr te/Blue & l te/Orange te/Green &	Tinned Coppe Nom. Wal e 0.889 meter: :: Blue/White & Orange/W	er II Thickn Ihite e	ess (mm)		
28 Outer Jac Outer J PVC - Overall C Overall C Overall Pair Co Numb 1 2 3	7x36 cket acket I Jacket Polyvin Cable all Nom lor Coo per Colo Whit Whit Whit Whit	TC - Material: Material Nyl Chlorid ninal Dia de Chart pr te/Blue & l te/Orange te/Green & te/Brown &	Tinned Coppe Nom. Wal e 0.889 meter: :: Blue/White & Orange/W & Green/White	er II Thickn Ihite e	ess (mm)		
28 Outer Jac Outer Jac PVC - Overall C Overall C Overall C Overall Pair Co Numb 1 2 3 4	7x36 cket acket I Jacket Polyvin Cable all Nom lor Coo per Colo Whit Whit Whit Whit	TC - Material: Material Nyl Chlorid ninal Dia de Chart pr te/Blue & l te/Orange te/Green & te/Brown &	Tinned Coppe Nom. Wal e 0.889 meter: :: Blue/White & Orange/W & Green/White & Brown/Whit	er II Thickn Ihite e	ess (mm)		
28 Outer Jac Outer Jac PVC - Overall C Overall C Overall Pair Co Numb 1 2 3 4 5	7x36 cket acket I Jacket Polyvin Cable all Nom lor Coo per Colo per Colo Whit Whit Whit Whit	TC - Material Materia	Tinned Coppe Nom. Wal e 0.889 meter: :: Blue/White & Orange/W & Green/White & Brown/Whit	er II Thickn hite e te	ess (mm) 7.315 mm		

Operating Temperature Range:	-30°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2919)
Bulk Cable Weight:	53.575 Kg/Km
Min. Bend Radius/Minor Axis:	76.200 mm

Min. Bend Radius/Minor Axis:



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Applicable Specifications and Agency Co									
Applicable Standards & Environmental Prog									
NEC/(UL) Specification:	CL2								
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								
Flame Test									
UL Flame Test:	UL1685 UL Loading								
Plenum/Non-Plenum									
Plenum (Y/N):	No								
Electrical Characteristics (Overall)									
Nom. Characteristic Impedance:									
Impedance (Ohm)									
120									
Nom. Capacitance Conductor to Conductor: Capacitance (pF/m)									
36.091									
Nom. Capacitance Cond. to Other Conductor & Sh	nield:								
Capacitance (pF/m) 65.62									
Nominal Velocity of Propagation:									
VP (%) 78									
Nom. Conductor DC Resistance:									
DCR @ 20°C (Ohm/km) 213.265									
Nominal Outer Shield DC Resistance:									
DCR @ 20°C (Ohm/km) 13.7802									
Max. Operating Voltage - UL:									
VoltageDescription30 V RMSUL AWM Style 2919150 V RMSCL2									
Max. Recommended Current:									
Current									
0.9 Amps per conductor @ 25°C									
Notes (Overall)									
	v dielectric constant and a dissination factor for high-speed, low-distortion data								

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.



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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8135 060100	30 MT	1.950 KG	CHROME		5 PR #28 FHDPE SH PVC
8135 0601000	305 MT	18.144 KG	CHROME	С	5 PR #28 FHDPE SH PVC

Notes:

C = CRATE REEL PUT-UP.

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