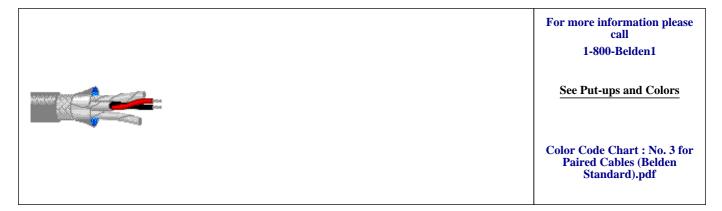


8163 Paired - Low Capacitance Computer Cables for EIA RS-232/422



Description:

24 AWG stranded (7x32) tinned copper conductors, twisted pairs, individually shielded with 100% Beldfoil®, 24 AWG stranded tinned copper drain wire, Datalene® insulation, overall Beldfoil® shield plus 65% tinned copper braid shield, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	3
Total Number of Conductors	6
AWG	24
Stranding	7x32
Conductor Material	TC - Tinned Copper
INSULATION:	
Insulation Material Trade Name	Datalene®
Insulation Material	FPE - Foam Polyethylene
PAIR:	
Pair Lay Length	1 in.
Pair Twists/ft.	12
Pair Shield Material Trade Name	Beldfoil® (Z-Fold®)
Pair Shield Type	Таре
Pair Shield Material	Aluminum Foil-Polyester Tape
Pair Shield % Coverage	100 %
PAIR SHIELD DRAIN WIRE :	
Pair Shield Drain Wire AWG	24
Pair Shield Drain Wire Stranding	Stranded
Pair Shield Drain Wire Conductor Material	TC - Tinned Copper

Pair Color Code Chart :

Number	Color	Number	Color
1	Black & Red	3	Black & Green
2	Black & White		



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OUTER SHIELD:

Outer Shield Trade Nam	ne	Beldfoil®				
Outer Shield Type		Tape/Braid	Tape/Braid			
Outer Shield Material :		- 1	-	1		
Layer Number	Material Trade Name	Туре	Material	% Coverage (%)		
1	Beldfoil®	Таре	Aluminum Foil-Polyester Tape	100		
2		Braid	TC-Tinned Copper	65		
Outer Shield %Coverag	e	100 %				
OUTER JACKET:						
Outer Jacket Material		PVC - Polyvinyl Chloride	2			
OVERALL NOMINA	L DIAMETER:					
Overall Nominal Diame	ter	.359 in.				
MECHANICAL CHA	RACTERISTICS:					
Operating Temperature	Range	-40°C To +60°C				
Temperature Rating		60°C (UL AWM Style 24	493)			
Bulk Cable Weight		76 lbs/1000 ft.				
Max. Recommended Pu	lling Tension	84 lbs.	84 lbs.			
Min. Bend Radius (Insta	all)	3.75 in.				
APPLICABLE SPEC	IFICATIONS AND AGENCY	Y COMPLIANCE:				
APPLICABLE STAN	DARDS:					
NEC/(UL) Specification	l	СМ				
CEC/C(UL) Specification	on	СМ				
AWM Specification		2493 (60°C)				
FLAME TEST:						
UL Flame Test		UL1581 Vertical Tray, V	W-1			
PLENUM/NON-PLEN	NUM:					
Plenum (Y/N)		Ν				
ELECTRICAL CHAI	RACTERISTICS:					
Nom. Characteristic Imp	bedance	100 Ohms				
Nom. Capacitance Cond	luctor to Conductor @ 1 KHz	12.5 pF/ft				
Nom. Cap. Cond. to Oth	er Cond. & Shield @ 1 KHz	22 pF/ft				
Nominal Velocity of Pro	opagation	78 %				
Nom. Conductor DC Re	sistance @ 20 Deg. C	24.0 Ohms/1000 ft				
Ind. Pair Nominal Shiel	d DC Resistance @ 20 Deg. C	18 Ohms/1000 ft				
Nominal Outer Shield D	C Resistance @ 20 Deg. C	4.4 Ohms/1000 ft				
Max. Operating Voltage	e - UL	300 V RMS				
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Other Maximum Continuous Currents	1.6 Amps per conductor @ 25°C
NOTES:	
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	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8163 060100	3 FS PR #24 FHDPE SH PVC	100	7	CHROME	
	3 FS PR #24 FHDPE SH PVC	1000	66	CHROME	С
8163 060500	3 FS PR #24 FHDPE SH PVC	500	34	CHROME	С

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 10-08-2003

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