Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9730 Multi-Conductor - Multi-Pair Snake Cable



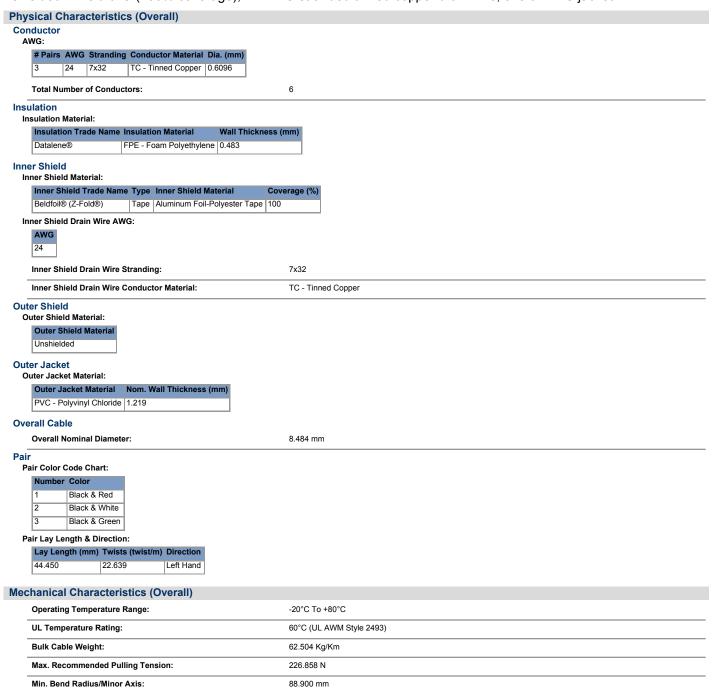
For more Information please call

1-800-Belden1



General Description:

24 AWG stranded (7x32) tinned copper conductors, Datalene® insulation, twisted pairs, individually shielded w/Beldfoil® (100% coverage), 24 AWG stranded tinned copper drain wire, overall PVC jacket.



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plicable Standards & Environmental Programs	liance (Overall)					
NEC/(UL) Specification:	СМ					
NEC Articles:	800	800				
CEC/C(UL) Specification:	СМ	CM				
AWM Specification:	UL Style 2493 (300 V 60°C)					
EU Directive 2011/65/EU (ROHS II):	Yes	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	01/01/2004 Yes				
EU Directive 2002/96/EC (WEEE):	Yes					
EU Directive 2003/11/EC (BFR):	Yes					
CA Prop 65 (CJ for Wire & Cable):	Yes	Yes				
MII Order #39 (China RoHS):	Yes					
ame Test						
UL Flame Test:	UL1685 UL Loading					
CSA Flame Test:	FT1					
itability						
Suitability - Indoor:	Yes					
enum/Non-Plenum						
Plenum (Y/N):	No					
Plenum Number:	89730					

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:

Inductance (µH/m) 0.75463

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 41.0125

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 76.1192

Nom. Mutual Capacitance:

Capacitance (pF/m) 127.959

Nominal Velocity of Propagation:

VP (%) 76

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 78.744

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 49.215 Ohm/km

Nom. Attenuation:

	Freq. (MHz)	Attenuation (dB/100m)			
	.384	2.42794			
	.7056	2.85447			
	.768	2.88728			
	1.024	3.08414			
	1.4112	3.31381			
	1.536	3.37943			
	2.048	3.70753			

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2.8224	4.23249
3.072	4.42935
4.096	5.15117
5.6448	5.84018
6.144	6.03704
8.192	6.98853
11.2896	8.03845
12.288	8.43217
24.576	11.7132

Max. Operating Voltage - UL:

300 V RMS

Max. Recommended Current:

Description	Current			
35C Temperature Rise	2.5 Amps per conductor @ 25°C ambient			

Notes (Overall)

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
9730 060100	100 FT	5.100 LB	CHROME		3 FS PR #24 FHDPE PVC
9730 0601000	1,000 FT	46.000 LB	CHROME	С	3 FS PR #24 FHDPE PVC
9730 06010000	10,000 FT	520.000 LB	CHROME	CY	3 FSPR #24 FHDPE PVC
9730 060500	500 FT	24.500 LB	CHROME	С	3 FS PR #24 FHDPE PVC
9730 0605000	5,000 FT	235.000 LB	CHROME	С	3 FS PR #24 FHDPE PVC

Notes:

Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN.MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

Revision Number: 2 Revision Date: 08-07-2013

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