# **Detailed Specifications & Technical Data**

**METRIC MEASUREMENT VERSION** 



#### 9730 Multi-Conductor - Multi-Pair Snake Cable



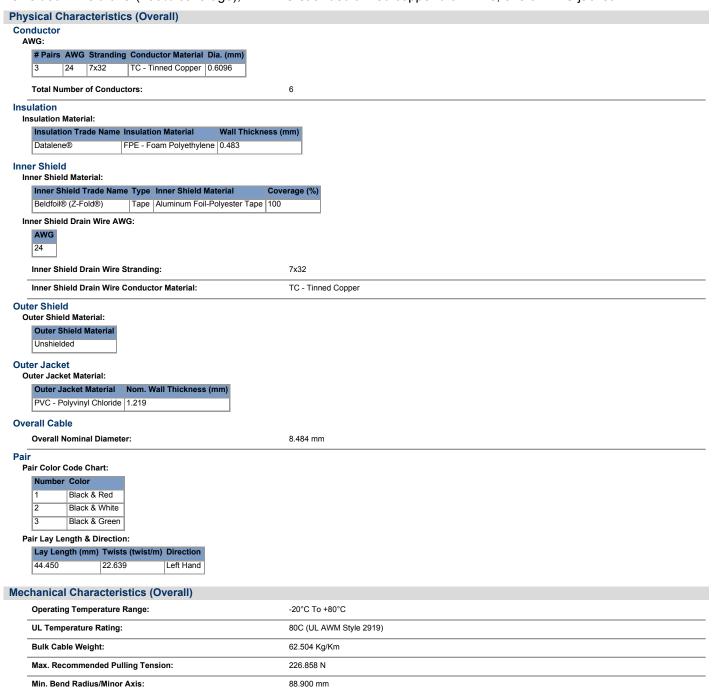
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1-800-Belden1



#### **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						
NEC/(UL) Specification:	СМ					
NEC Articles:	800	800				
CEC/C(UL) Specification:	CM UL Style 2919 (30 V 80°C)					
AWM Specification:						
EU Directive 2011/65/EU (ROHS II):	Yes	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 Yes				
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					
ime 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:



Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 41.0125

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 76.1192

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				
2.8224	4.23249				
3.072	4.42935				
4.096	5.15117				
5.6448	5.84018				

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6.144	6.03704
8.192	6.98853
11.2896	8.03845
12.288	8.43217
24.576	11.7132

#### Max. Operating Voltage - UL:

Voltage 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: 3 Revision Date: 05-01-2017

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

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