Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



9730 Multi-Conductor - Multi-Pair Snake Cable



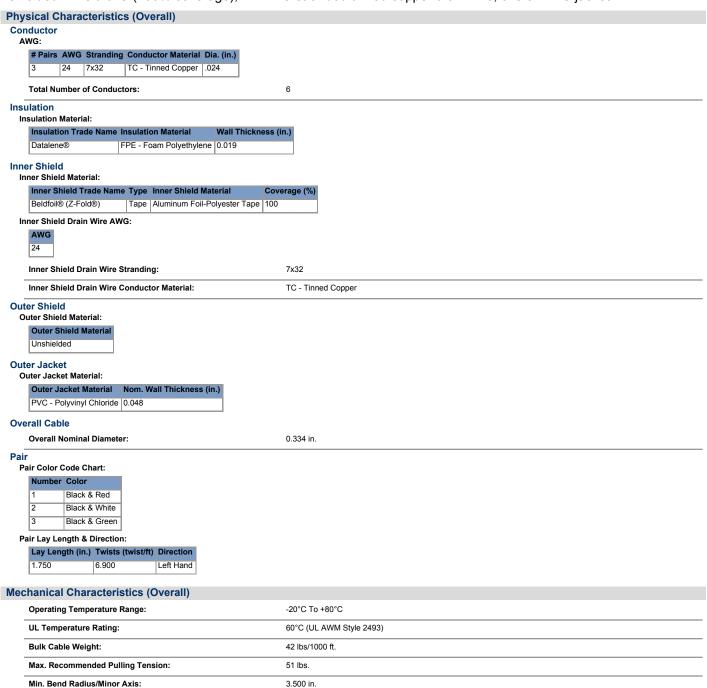
For more Information please call

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						
NEC/(UL) Specification:	CM					
NEC Articles:	800	800 CM				
CEC/C(UL) Specification:	CM					
AWM Specification:	UL Style 2493 (300 V 60°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	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					
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/ft)
12.5

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
23.2

Nom. Mutual Capacitance:

Capacitance (pF/ft)

Nominal Velocity of Propagation:

VP (%) 76

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 24

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 15 Ohm/1000 ft

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)					
.384	0.74					
.7056	0.87					
.768	0.88					
1.024	0.94					
1.4112	1.01					
1.536	1.03					
2.048	1.13					

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2.8224	1.29
3.072	1.35
4.096	1.57
5.6448	1.78
6.144	1.84
8.192	2.13
11.2896	2.45
12.288	2.57
24.576	3.57

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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