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.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
3	24	7x32	TC - Tinned Copper	0.6096

Total Number of Conductors:

6

Insulation

Insulation Material:

Insulation Trade Name		Insulation Material	Wall Thickness (mm)
	Datalene®	FPE - Foam Polyethylene	0.483

Inner Shield

Inner Shield Material:

Inner Shield Trade Name		Type	Inner Shield Material	Coverage (%)		
	Beldfoil® (Z-Fold®)	Tape	Aluminum Foil-Polyester Tape	100		

Inner Shield Drain Wire AWG:

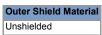


Inner Shield Drain Wire Stranding: 7x32

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Shield

Outer Shield Material:



Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.219

Overall Cable

Overall Nominal Diameter: 8.484 mm

Pair

Pair Color Code Chart:

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

Pair Lay Length & Direction:

Lay Length (mm)	Twists (twist/m)	Direction
44.450	22.639	Left Hand

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Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80C (UL AWM Style 2919)
Bulk Cable Weight:	62.504 Kg/Km
Max. Recommended Pulling Tension:	226.858 N
Min. Bend Radius/Minor Axis:	88.900 mm
pplicable Specifications and Agency Co	mpliance (Overall)
Applicable Standards & Environmental Progr	ams
NEC/(UL) Specification:	CM
NEC Articles:	800
CEC/C(UL) Specification:	CM
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
lame Test	
UL Flame Test:	UL1685 UL Loading
CSA Flame Test:	FT1
Suitability	
Suitability - Indoor:	Yes
Plenum/Non-Plenum	
Plenum (Y/N):	No
Plenum Number:	89730

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm) 100

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

Nominal Velocity of Propagation:

VP (%)

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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		
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:

C = CRATE REEL PUT-UP.

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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