

9728 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 Beldfoil® shielded (100% coverage) each with 24 AWG stranded tinned copper drain wire, overall PVC jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
4	24	7x32	TC - Tinned Copper	0.6096

Total Number of Conductors: 8
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:

AWG
24

Inner Shield Drain Wire Stranding: 7x32

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper
Outer Jacket**Outer Jacket Material:**

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

Overall Cable
Overall Nominal Diameter: 9.220 mm
Pair**Pair Color Code Chart:**

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

Mechanical Characteristics (Overall)
Operating Temperature Range: -20°C To +80°C

UL Temperature Rating: 60°C (UL AWM Style 2493)

Bulk Cable Weight: 75.898 Kg/Km

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Max. Recommended Pulling Tension:	289.133 N
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Min. Bend Radius/Minor Axis:	95.250 mm
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Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	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
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

Flame Test

UL Flame Test:	UL1685 UL Loading
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Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	89728

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 (%)

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
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Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100m)

.384 2.42794

.7056 2.85447

.768 2.88728

1.024 3.08414

METRIC MEASUREMENT VERSION

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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	Description
300 V RMS	UL AWM Style 2493

Max. Recommended Current:

Current
2.5 Amps per conductor @ 25°C

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
9728 060100	30 MT	2.722 KG	CHROME		4 FS PR #24 FHDPE PVC
9728 0601000	305 MT	24.948 KG	CHROME	C	4 FS PR #24 FHDPE PVC
9728 060500	152 MT	13.154 KG	CHROME		4 FS PR #24 FHDPE PVC
9728 0605000	1,524 MT	133.810 KG	CHROME		4 FS PR #24 FHDPE PVC

Notes:

C = CRATE REEL PUT-UP.

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