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1-800-Belden1



### 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

#### Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Datalene®	FPE - Foam Polyethylene	1.5494

#### 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
PVC - Polyvinyl Chloride

#### Overall Cabling

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

Pair Lay Length & Direction:

Lay Length (mm)	Twists/ft. (twist/m)
44.449825	22.475

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

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

<b>Bulk Cable Weight:</b>	84.827 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	289.133 N
<b>Min. Bend Radius (Install)/Minor Axis:</b>	101.600 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	CM
<b>CEC/C(UL) Specification:</b>	CM
<b>AWM Specification:</b>	UL Style 2493 (300 V 60°C)
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	01/01/2004
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

### Flame Test

<b>UL Flame Test:</b>	UL1685 UL Loading
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### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
<b>Plenum Number:</b>	89728

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

<b>Impedance (Ohm)</b>
100

### Nom. Inductance:

<b>Inductance (µH/m)</b>
0.75463

### Nom. Capacitance Conductor to Conductor:

<b>Capacitance (pF/m)</b>
41.0125

### Nom. Capacitance Cond. to Other Conductor & Shield:

<b>Capacitance (pF/m)</b>
76.1192

### Nominal Velocity of Propagation:

<b>VP (%)</b>
76

### Nom. Conductor DC Resistance:

<b>DCR @ 20°C (Ohm/km)</b>
78.744

<b>Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:</b>	49.215 Ohm/km
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### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
.384	2.42794
.7056	2.85447
.768	2.88728

## METRIC MEASUREMENT VERSION

## 9728 Multi-Conductor - Multi-Pair Snake Cable

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 (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.

## Related Documents:

No related documents are available for this product

## 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	23.133 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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- Техническая поддержка проекта;
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#### Как с нами связаться

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