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please call

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

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:**

<b>Voltage</b>
300 V RMS (UL AWM Style 2493)

**Max. Recommended Current:**

<b>Current</b>
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;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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