Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



9738 Multi-Conductor - Multi-Pair Snake Cable

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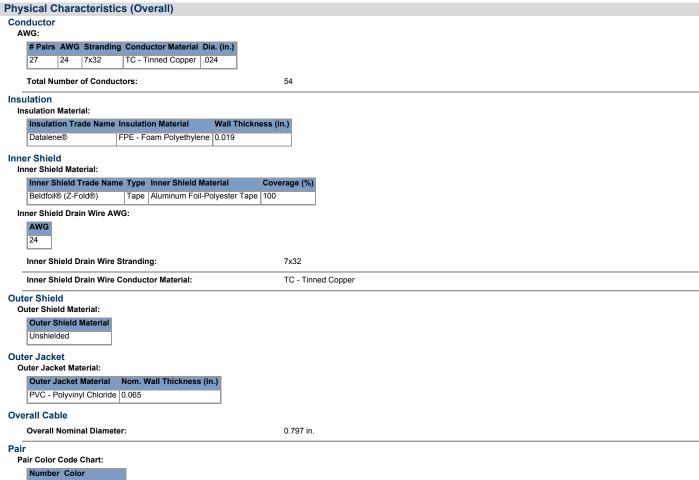
For more Information please call

1-800-Belden1



General Description:

24 AWG stranded (7x32) TC conductors, Datalene® insulation, twisted pairs, individually shielded w/Beldfoil® (100% coverage), 24 AWG stranded TC drain wire, overall PVC jacket.



Number	Color				
1	Black & Red				
2	Black & White				
3	Black & Green				
4	Black & Blue				
5	Black & Yellow				
6	Black & Brown				
7	Black & Orange				
8	Red & White				
9	Red & Green				
10	Red & Blue				
11	Red & Yellow				
12	Red & Brown				
13	Red & Orange				
14	Green & White				
15	Green & Blue				
16	Green & Yellow				

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17 Green & Brown 18 Green & Orange 19 White & Blue 20 White & Yellow 21 White & Brown 22 White & Orange 23 Blue & Yellow
19 White & Blue 20 White & Yellow 21 White & Brown 22 White & Orange
20 White & Yellow 21 White & Brown 22 White & Orange
21 White & Brown 22 White & Orange
22 White & Orange
22 Time a Grange
23 Blue & Yellow
24 Blue & Brown
25 Blue & Orange
26 Brown & Yellow
27 Brown & Orange

Mechanical Characteristics (Overall)					
Operating Temperature Range:	-20°C To +80°C				
UL Temperature Rating:	60°C (UL AWM Style 2493)				
Bulk Cable Weight:	269 lbs/1000 ft.				
Max. Recommended Pulling Tension:	432 lbs.				
Min. Bend Radius/Minor Axis:	8 in.				
Applicable Specifications and Agency Complia	ince (Overall)				
Applicable Standards & Environmental Programs	· · · ·				
NEC/(UL) Specification:	СМ				
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				
Plenum/Non-Plenum					
Plenum (Y/N):	No				

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm) 100

Nom. Inductance:

Inductance (µH/ft) 0.23

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
12.5

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft) 23.2

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

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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
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:

Voltage 300 V RMS

Max. Recommended Current:

Current 1.9 Amps per conductor @ 25°C

Notes (Overall)

Notes: Datalene® insulation features include low dielectric constant and a dissipation factor for high-speed, low-distorition data handling. Physical properties include good crush resistance and light weight.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9738 0601000	1,000 FT	334.000 LB	CHROME	С	27 FS PR #24 FHDPE PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 09-28-2012

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