Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9729 Multi-Conductor - Shielded Twisted Pair Cable



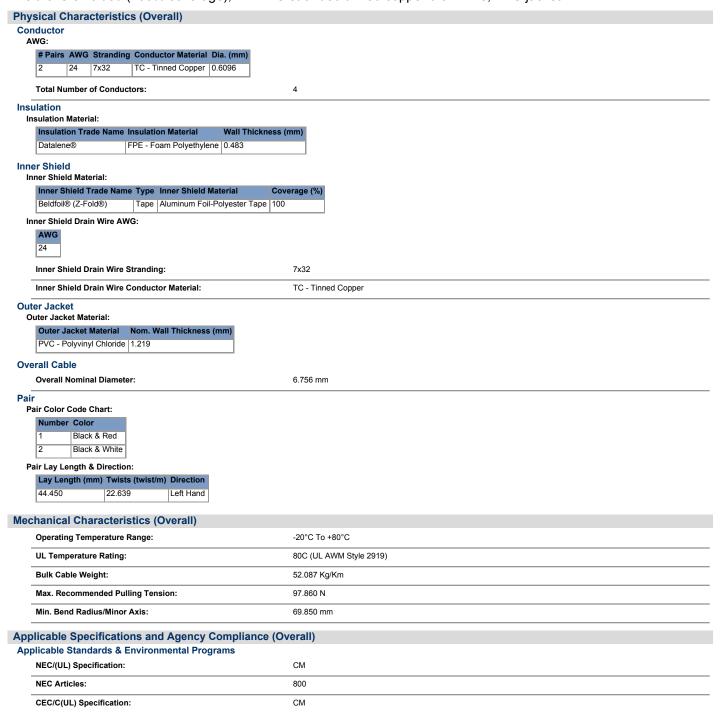
For more Information please call

1-800-Belden1



General Description:

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



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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		
uitability			
Suitability - Indoor:	Yes		
lenum/Non-Plenum			
Plenum (Y/N):	No		
Plenum Number:	89729, 82729		

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

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:

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Voltage 300 V RMS

Max. Recommended Current:

Description	Current
10C temperature rise	1 Amp 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
9729 060100	100 FT	4.300 LB	CHROME		2 FS PR #24 FHDPE PVC
9729 0601000	1,000 FT	38.000 LB	CHROME	С	2 FS PR #24 FHDPE PVC
9729 06010000	10,000 FT	390.000 LB	CHROME	CY	2 FS PR #24 FHDPE PVC
9729 060500	500 FT	20.500 LB	CHROME	С	2 FS PR #24 FHDPE PVC
9729 0605000	5,000 FT	185.000 LB	CHROME	С	2 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: 02-07-2017

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