

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.

Physical Characteristics (Overall)	
Conductor	
AWG:	
# Pairs AWG Stranding Conductor Material Dia. (in.)	
2 24 7x32 TC - Tinned Copper .024	
Total Number of Conductors:	4
Insulation	
Insulation Material:	
Insulation Trade Name Insulation Material Wall Trade Name Datalene® FPE - Foam Polyethylene 0.019	hickness (in.)
Inner Shield Inner Shield Material:	
Inner Shield Trade Name Type Inner Shield Material Beldfoil® (Z-Fold®) Tape Aluminum Foil-Polyester	Coverage (%) Tabe 100
Inner Shield Drain Wire AWG:	
AWG 24	
24	
Inner Shield Drain Wire Stranding:	7x32
Inner Shield Drain Wire Conductor Material:	TC - Tinned Copper
Outer Jacket	
Outer Jacket Material Nom. Wall Thickness (in.)	
PVC - Polyvinyl Chloride 0.048	
Overall Cable Overall Nominal Diameter:	0.266 in.
	0.200 m.
Pair Pair Color Code Chart:	
Number Color	
1 Black & Red	
2 Black & White	
Pair Lay Length & Direction:	
Lay Length (in.)Twists (twist/ft)Direction1.7506.900Left Hand	
Mechanical Characteristics (Overall)	
Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	60°C (UL AWM Style 2493)
Bulk Cable Weight:	35 lbs/1000 ft.
Max. Recommended Pulling Tension:	22 lbs.
Min. Bend Radius/Minor Axis:	2.750 in.
Applicable Specifications and Agency Complia	ance (Overall)
Applicable Standards & Environmental Programs NEC/(UL) Specification:	СМ
NEC Articles:	800
CEC/C(UL) Specification:	CM
	<u>un</u>

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

9729 Multi-Conductor - Shielded Twisted Pair Cable

AWM S	pecification:	UL Style 2493 (300 V 60°C)
EU Dire	ctive 2011/65/EU (ROHS II):	Yes
EU CE I	Nark:	Yes
EU Dire	ctive 2000/53/EC (ELV):	Yes
EU Dire	ctive 2002/95/EC (RoHS):	Yes
EU RoH	S Compliance Date (mm/dd/yyyy):	01/01/2004
	ctive 2002/96/EC (WEEE):	Yes
	ctive 2003/11/EC (BFR):	Yes
	65 (CJ for Wire & Cable):	Yes
	er #39 (China RoHS):	Yes
Flame Test UL Flam		UL1685 UL Loading
	me Test:	FT1
		F11
Suitability Suitabil	ity - Indoor:	Yes
Plenum/No	· · · · · · · · · · · · · · · · · · ·	
Plenum		No
	Number:	
Pienum	Number:	89729, 82729
Capacitar 12.5 Nom. Capacitar 23.2 Nominal Velo VP (%) 76 Nom. Condu	tance Conductor to Conductor: ice (pF/ft) tance Conductor & Shield	:
24 Ind. Pai Nom. Attenu	Nominal Shield DC Resistance @ 20 De	g. C: 15 Ohm/1000 ft
Freq. (MH .384	z) Attenuation (dB/100 ft.) 0.74	
.364	0.74	
.768	0.88	
1.024	0.94	
1.4112	1.01	
1.536	1.03	
2.048 2.8224	1.13	
2.8224	1.29	

1.35

1.57

1.78

1.84

2.13

2.45

2.57

3.57

3.072

4.096

5.6448

6.144

8.192

11.2896

12.288

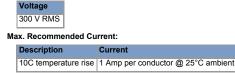
24.576

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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".

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