

#### 9729NH Multi-Conductor - GreenChoice 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, NHFRPO jacket.

Physical Characteristics (Overall)	
Conductor	
AWG:	
# Pairs         AWG         Stranding         Conductor Material         Dia. (mm)           2         24         7x32         TC - Tinned Copper         0.6096	
Total Number of Conductors:	4
Insulation Insulation Material:	
	s (mm) Dia. (mm)
Datalene® FPE - Foam Polyethylene 0.470	1.549
Inner Shield Inner Shield Material:	
Inner Shield Trade Name         Type         Inner Shield Material         C           Beldfoil® (Z-Fold®)         Tape         Aluminum Foil-Polyester Tape         10	overage (%) D0
Inner Shield Drain Wire AWG:	
<b>AWG</b> 24	
Inner Shield Drain Wire Stranding:	7x32
Inner Shield Drain Wire Conductor Material:	TC - Tinned Copper
Outer Jacket	
Outer Jacket Material:	
Outer Jacket Material NHFRPO	
Overall Cable Overall Nominal Diameter:	6.756 mm
Pair	
Pair Color Code Chart:	
Number Color	
1         Black & Red           2         Black & White	
Pair Lay Length & Direction:	
Lay Length (mm) Twists (twist/m)	
27.94 35.763	
Mochanical Characteristics (Overall)	
Mechanical Characteristics (Overall) Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C
Bulk Cable Weight:	53.575 Kg/Km
Max. Recommended Pulling Tension:	97.860 N
Min. Bend Radius/Minor Axis:	82.550 mm
Applicable Specifications and Agency Compliance (	Overall)
Applicable Standards & Environmental Programs	
NEC/(UL) Specification:	CMG
NEC/(UL) Specification: CEC/C(UL) Specification:	CMG CMG

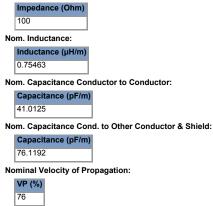
## **Detailed Specifications & Technical Data**



#### METRIC MEASUREMENT VERSION

#### 9729NH Multi-Conductor - GreenChoice Shielded Twisted Pair Cable

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):	05/08/2012			
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			
Other Specification:	UL AWM 21088			
Flame Test				
UL Flame Test:	UL1685 FT4 Loading			
C(UL) Flame Test:	FT4			
Suitability				
Suitability - Indoor:	Yes			
Non-halogenated:	Yes			
Plenum/Non-Plenum				
Plenum (Y/N):	No			



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
Ма	ax. Operating	Voltage - UL:
	Voltage	

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#### METRIC MEASUREMENT VERSION

#### 9729NH Multi-Conductor - GreenChoice Shielded Twisted Pair Cable

300 V RMS (UL AWM Style 2493) Max. Recommended Current: Current

1 Amp 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.

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9729NH 0601000	1,000 FT	37.000 LB	CHROME		2 FS PR #24 FHDPE FHDPE
9729NH 060500	500 FT	20.000 LB	CHROME	С	2 FS PR #24 FHDPE FHDPE

Notes:

C = CRATE REEL PUT-UP

Revision Number: 0 Revision Date: 08-16-2016

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product. Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

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