# **Detailed Specifications & Technical Data**

## **ENGLISH MEASUREMENT VERSION**



# 8428 Multi-Conductor - Two-Conductor, Low-Impedance Cable



For more Information please call

1-800-Belden1



## **General Description:**

EU Directive 2002/96/EC (WEEE):

EU Directive 2003/11/EC (BFR):

CA Prop 65 (CJ for Wire & Cable):

18 AWG stranded (41x34) High-conductivity TC conductors, EPDM rubber insulation, rayon braid, TC braid shield (85% coverage), cotton wrap, CPE jacket.

## **Physical Characteristics (Overall)** Conductor AWG: # Conductors AWG Stranding Conductor Material Dia. (in.) 41x34 High Conductivity TC - Tinned Copper | .047 18 **Total Number of Conductors:** Insulation Insulation Material: **Insulation Material** EPDM - Ethylene Propylene Diene Monomer Rubber 0.100 **Outer Shield** Outer Shield Material: Type Outer Shield Material Coverage (%) Braid | TC - Tinned Copper | 85 Outer Shield Separator Material: Cotton Wrap **Outer Jacket** Outer Jacket Material: **Outer Jacket Material Overall Cable Overall Cabling Color Code Chart:** Number Color White Black Rayon Braid **Overall Cabling Separator Material:** Overall Nominal Diameter: 0.290 in **Mechanical Characteristics (Overall)** Operating Temperature Range: -30°C To +60°C Non-UL Temperature Rating: 60°C **Bulk Cable Weight:** 54 lbs/1000 ft Max. Recommended Pulling Tension: 138 lbs. Min. Bend Radius/Minor Axis: Applicable Specifications and Agency Compliance (Overall) **Applicable Standards & Environmental Programs** EU Directive 2011/65/EU (ROHS II): Yes EU CE Mark: EU Directive 2000/53/EC (ELV): Yes EU Directive 2002/95/EC (RoHS): Yes EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

Yes

Yes

Yes

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	MII Order #39 (China RoHS):	Yes					
Plen	um/Non-Plenum						
	Plenum (Y/N):	No					
Elec	trical Characteristics (Overall)						
	Characteristic Impedance:						
<b>In</b>	ppedance (Ohm)						
Nom	Nom. Inductance:						
.1	ductance (μH/ft) 9						
	Capacitance Conductor to Conductor:						
<b>C</b>	apacitance (pF/ft)						
	Nom. Capacitance Cond. to Other Conductor & Shield:						
60	apacitance (pF/ft)						
	Nom. Conductor DC Resistance:						
6.	CR @ 20°C (Ohm/1000 ft) 8						
Nominal Outer Shield DC Resistance:							
<b>D</b>	CR @ 20°C (Ohm/1000 ft) 7						
Max. Operating Voltage - Non-UL:							
	oltage 00 V RMS						
Max.	Max. Recommended Current:						
	urrent 2 Amps per conductor @ 25°C						
Put I	Put Ups and Colors:						

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8428 010U500	500 FT	28.500 LB	BLACK		2 #18 EPDM BRD CPE
8428 010100	100 FT	6.200 LB	BLACK		2 #18 EPDM BRD CPE
8428 0101000	1,000 FT	58.000 LB	BLACK	С	2 #18 EPDM BRD CPE
8428 010500	500 FT	29.000 LB	BLACK	С	2 #18 EPDM BRD CPE

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 09-24-2012

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Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product

product.
Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

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