# **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 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 EU Directive 2002/96/EC (WEEE): Yes

Yes

Yes

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	MII Order #39 (China RoHS):	Yes						
Ple	num/Non-Plenum		_					
	Plenum (Y/N):	No						
Elec	ctrical Characteristics (Overall)							
Non	n. Characteristic Impedance:							
	mpedance (Ohm)							
Non	n. Inductance:							
	nductance (µH/ft)							
Non	n. Capacitance Conductor to Conductor:							
	Capacitance (pF/ft)							
Non	Nom. Capacitance Cond. to Other Conductor & Shield:							
	Capacitance (pF/ft)							
Non	n. Conductor DC Resistance:							
	DCR @ 20°C (Ohm/1000 ft) 6.8							
Non	ninal Outer Shield DC Resistance:							
	DCR @ 20°C (Ohm/1000 ft)							
Max	. Operating Voltage - Non-UL:	istics (Overall) dance:  ctor to Conductor:  to Other Conductor & Shield:  stance:  10 ft)  Resistance:  10 ft)  Non-UL:  ent:						
	/oltage 500 V RMS							
Max	. Recommended Current:							
	Current 5.2 Amps per conductor @ 25°C							
Ľ								
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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product.

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

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