Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



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



For more Information please call

1-800-Belden1



Description:

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.)
2	18	41x34	High Conductivity TC - Tinned Copper	.047

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)	Dia. (in.)
EPDM - Ethylene Propylene Diene Monomer Rubber	.023	.100

Outer Shield

Outer Shield Material:

	Outer Shield Material	_ , ,
Braid	TC - Tinned Copper	85

Outer Shield Separator Material: Cotton Wrap

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
CPE	0.030

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	White
2	Black

Overall Cabling Separator Material: Rayon Braid

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 (Install)/Minor Axis:	2.900 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes

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01/01/2004
Yes
Yes
Yes
Yes
No
-

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance	(Ohm)
50	

Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



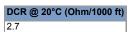
Nom. Capacitance Cond. to Other Conductor & Shield:



Nom. Conductor DC Resistance:

DCR @ 20°C	(Ohm/1000 ft)
6.8	

Nominal Outer Shield DC Resistance:



Max. Operating Voltage - Non-UL:

Voltage 600 V RMS

Max. Recommended Current:

Current
5.2 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

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	27.000 LB	BLACK	С	2 #18 EPDM BRD CPE

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 03-25-2009

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