

7428W Multi-Conductor - 600V FCC Control Cables for Moderate Flexing



For more Information
please call

1-800-Belden1



General Description:

16 AWG stranded (26x30) bare copper conductors, PVC-Nylon insulation, unshielded, oil- and abrasion-resistant PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
17	16	26x30	BC - Bare Copper

Total Number of Conductors: 18

Ground Wire

Ground Wire (Y/N):	Y
Ground Wire AWG:	16
Ground Wire Stranding:	26x30
Ground Wire Conductor Material:	BC - Bare Copper
Ground Wire Insulation Material:	PVC/Nylon - Polyvinyl Chloride/Nylon

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.015
Nylon	0.005

Insulation Color Code Chart:

Color	Description
Black	Individually Numbered

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
TPE - Thermoplastic Elastomer	0.063

Overall Cable

Overall Nominal Diameter: 0.636 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +90°C
Other Temperature Range:	Flexing: -5°C To +90°C
UL Temperature Rating:	90°C (UL AWM Style 2587)
Bulk Cable Weight:	275 lbs/1000 ft.
Max. Recommended Pulling Tension:	630 lbs.
Min. Bend Radius (Continuous Flexing):	6.400 in.
Flex Cycle Rating:	1 Million Flexes

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	TC-ER, WTTTC
CEC/C(UL) Specification:	600V Type CIC TC
AWM Specification:	UL Style 2587 (600 V 90°C), UL Style 21486 (1000 V 90°C)

7428W Multi-Conductor - 600V FCC Control Cables for Moderate Flexing

CSA Specification:	AWM I/II A/B
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU REACH SVHC Present:	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	UL1685 FT4/IEEE 1202 Vertical Tray Flame Test
C(UL) Flame Test:	FT4
IEEE Flame Test:	1202

Suitability

Suitability - Burial:	Yes
Sunlight Resistance:	Yes
Oil Resistance:	Yes - Oil Res II
Non-halogenated:	No

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.000

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7428W 0601000	1,000 FT	288.000 LB	CHROME	C	17 #16 + GRD PVC/NYL TPE
7428W 060250	250 FT	78.750 LB	CHROME	C	17 #16 + GRD PVC/NYL TPE
7428W 0605000	5,000 FT	1,490.000 LB	CHROME		17 #16 + GRD PVC/NYL TPE

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 4 Revision Date: 10-02-2013

© 2014 Belden, Inc.
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

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, and the identification of materials listed as reportable or restricted within the 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 itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable:](#)

[7428W 0601000](#) [7428W 060250](#)