



Part Number: 7412W

600V FCC Moderate Flex, (4) 18 AWG (16x30) BC+Grd,
PVC-NYL/TPE, TC-ER

Product Description

Four 18 AWG stranded (16x30) bare copper conductors plus ground wire, PVC-Nylon insulation, TPE jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

Element	AWG	Stranding	Material	No. of Conductors
	18	16x30	BC - Bare Copper	4
Ground Wire	18	16x30	BC - Bare Copper	
Total Number of Conductors:				5

Insulation:

Material	Nominal Wall Thickness
PVC/Nylon - Polyvinyl Chloride/Nylon	0.015 in
PVC - Polyvinyl Chloride	0.005 in
Nylon	

Color Chart 1:

Number	Color
Individually Numbered	Black

Stranding:

Lay Length
Yes mm

Outershield 1:

Material
Unshielded

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
TPE - Thermoplastic Elastomer	0.339 in	0.047 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
6.5 Ohm/1000ft

Use

Suitability - Oil Resistance:	Yes - Oil Res II
Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes
Flex Cycle Rating:	1 Million Flexes
Max Recommended Pulling Tension:	115 lbs

Safety

C(UL) Flammability:	FT4
IEEE Flammability:	1202
UL Flammability:	UL1685 FT4/IEEE 1202 Vertical Tray Flame Test
Suitability - Non-Halogenated:	No

Temperature Range

Operating Temp Range:	-40°C To +90°C
Other Temp Range:	Flexing: -5°C To +90 °C
UL Temp Rating:	90°C (UL AWM Style 2587)

Mechanical Characteristics

Min Bend Radius (Continuous Flexing):	3.4 in
---------------------------------------	--------

Part Number

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

Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification
CSA AWM Specification:	CSA Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
UL AWM Style:	AWM Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

History

Product Variants

Part Number	Color	Put-Up Type	Length
7412W 0601000	CHROME	Reel	1000 ft
7412W 060250	CHROME	Reel	250 ft
7412W 0605000	CHROME	Reel	5000 ft

© 2016 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.

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