

## 7129WS Multi-Conductor - 600V C-TC+ Control Cables for Extreme Flexing



For more Information  
please call

1-800-Belden1

**Description:**

16 AWG stranded (190x38) bare copper conductors, PVC-Nylon insulation, braid shield. oil- and abrasion-resistant PVC jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

# Conductors	AWG	Stranding	Conductor Material
24	16	190x38	BC - Bare Copper

**Ground Wire**

Ground Wire (Y/N):	Y
Ground Wire AWG:	16
Ground Wire Stranding:	190x38
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	0.016
Nylon	0.005

**Outer Shield****Outer Shield Material:**

Type	Outer Shield Material	Coverage (%)
Braid	Tinned Copper	85.000

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.063

**Overall Cable**

Overall Nominal Diameter:	0.918 in.
---------------------------	-----------

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-40°C To +90°C
Other Temperature Range:	Flexing: -5°C To +90°C
Bulk Cable Weight:	513 lbs/1000 ft.
Max. Recommended Pulling Tension:	950 lbs.
Min. Bend Radius (Continuous Flexing):	9.200 in.
Flex Cycle Rating:	9 Million Flexes

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

**7129WS Multi-Conductor - 600V C-TC+ Control Cables for Extreme Flexing**

NEC/(UL) Specification:	TC-ER, WTTC
-------------------------	-------------

CEC/C(UL) Specification:	TC
--------------------------	----

CSA Specification:	AWM I/II A/B
--------------------	--------------

IEEE Specification:	1202
---------------------	------

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
--------------------------------	-----

CA Prop 65 (CJ for Wire & Cable):	Yes
-----------------------------------	-----

MII Order #39 (China RoHS):	Yes
-----------------------------	-----

**Flame Test**

UL Flame Test:	UL1277, UL1685 FT4 Loading, UL1685 FT4/IEEE 1202 Vertical Tray Flame Test, UL1685 Vertical Tray Flame Test
----------------	------------------------------------------------------------------------------------------------------------

CSA Flame Test:	FT4
-----------------	-----

IEEE Flame Test:	1202
------------------	------

**Suitability**

Suitability - Burial:	Yes
-----------------------	-----

Sunlight Resistance:	Yes
----------------------	-----

Oil Resistance:	Yes - Oil Res II
-----------------	------------------

**Plenum/Non-Plenum**

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

**Electrical Characteristics (Overall)****Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
--------------------------

5.7
-----

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7129WS 0031000	1,000 FT	578.000 LB	ORANGE	C	24#16+ GRD PVC/NYL TPE BRD TPE
7129WS 003250	250 FT	168.250 LB	ORANGE	C	24#16+ GRD PVC/NYL TPE BRD TPE

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 0    Revision Date: 08-10-2011

© 2012 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,

## 7129WS Multi-Conductor - 600V C-TC+ Control Cables for Extreme Flexing

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.