

## 7117A Multi-Conductor - 600V C-TC+ Control Cables for Extreme Flexing



**Call**  
Customer Service  
**1-800-BELDEN1**

For more Information  
please call

1-800-Belden1



### Description:

18 AWG stranded (114x38) bare copper conductors, PVC insulation, unshielded. oil- and abrasion-resistant PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
25	18	114x38	BC - Bare Copper

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.020

##### Insulation Resistance:

6.1 Megaohms/1000 ft. minimum.

#### Insulation Color Code Chart:

Number	Color
1	Red and Numbered 1
2	Red and Numbered 2
3	Red and Numbered 3
4	Red and Numbered 4
5	Red and Numbered 5
6	Red and Numbered 6
7	Red and Numbered 7
8	Red and Numbered 8
9	Red and Numbered 9
10	Red and Numbered 10
11	Red and Numbered 11
12	Red and Numbered 12
13	Red and Numbered 13
14	Red and Numbered 14
15	Red and Numbered 15
16	Red and Numbered 16
17	Red and Numbered 17
18	Red and Numbered 18
19	Red and Numbered 19
20	Red and Numbered 20
21	Red and Numbered 21
22	Red and Numbered 22
23	Red and Numbered 23
24	Red and Numbered 24
25	Green/Yellow

#### Outer Shield

##### Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

##### Outer Jacket Material:

## 7117A Multi-Conductor - 600V C-TC+ Control Cables for Extreme Flexing

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.083

**Overall Cable**

Overall Nominal Diameter: 0.744 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:	337 lbs/1000 ft.
Max. Recommended Pulling Tension:	570 lbs.
Min. Bend Radius (Continuous Flexing):	7.400 in.
Flex Cycle Rating:	9 Million Flexes

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

AWM Specification:	UL Style 2587 (600 V 90°C)
CSA Specification:	AWM I A/B II A/B
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: UL1685 UL Loading, VW-1

**Suitability**

Oil Resistance: Yes

**Plenum/Non-Plenum**

Plenum (Y/N): No

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

DCR @ 20°C (Ohm/1000 ft)

5.7

**Max. Operating Voltage - UL:**

Voltage

600 V RMS (UL AWM Style 2587)

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
--------	-------	-------------	-------	-------	-----------

## 7117A Multi-Conductor - 600V C-TC+ Control Cables for Extreme Flexing

Revision Number: 1    Revision Date: 12-11-2008

© 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, 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.