

## 27108A Multi-Conductor - 600V Type TC Cable



For more Information  
please call

1-800-Belden1



### General Description:

14 AWG multi-conductor stranded (7x22) bare copper conductors, PVC/Nylon insulation, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
30	14	7x22	BC - Bare Copper

Total Number of Conductors: 30

#### Insulation

##### Insulation Material:

Insulation Material
PVC/Nylon - Polyvinyl Chloride/Nylon

#### Outer Shield

##### Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	2.032

#### Overall Cable

##### Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	Blue
4	Orange
5	Yellow
6	Brown
7	Red/Black
8	Blue/Black
9	Orange/Black
10	Yellow/Black
11	Brown/Black
12	Black/Red
13	Blue/Red
14	Orange/Red
15	Yellow/Red
16	Brown/Red
17	Black/Blue
18	Red/Blue
19	Orange/Blue
20	Yellow/Blue
21	Brown/Blue
22	Black/Orange

23	Red/Orange
24	Blue/Orange
25	Yellow/Orange
26	Brown/Orange
27	Black/Yellow
28	Red/Yellow
29	Blue/Yellow
30	Orange/Yellow

**Overall Nominal Diameter:** 22.911 mm

## Mechanical Characteristics (Overall)

<b>Wet Temperature Range:</b>	-30°C To +75°C
<b>Dry Temperature Range:</b>	-30°C To +90°C
<b>Bulk Cable Weight:</b>	946.495 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	5827.140 N
<b>Min. Bend Radius/Minor Axis:</b>	228.600 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

<b>NEC(UL) Specification:</b>	TC, NPLF
<b>EU Directive 2011/65/EU (ROHS II):</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	04/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes
<b>Other Specification:</b>	ICEA S-73-532, S-95-658, S-61-402

### Flame Test

<b>UL Flame Test:</b>	UL1685 UL Loading
<b>C(UL) Flame Test:</b>	FT4
<b>IEEE Flame Test:</b>	1202
<b>ICEA Flame Test:</b>	T-29-520

### Suitability

<b>Suitability - Burial:</b>	Yes
<b>Sunlight Resistance:</b>	Yes

### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
----------------------	----

## Electrical Characteristics (Overall)

### Nom. Conductor DC Resistance:

<b>DCR @ 20°C (Ohm/km)</b>
8.5306

### Max. Operating Voltage - UL:

Voltage	Description
150 V RMS	NPLF
600 V RMS	TC

**Max. Recommended Current:**

Current
6.8

### Put Ups and Colors:

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

Revision Number: 1    Revision Date: 05-14-2007

© 2019 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.