# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



# 27080A Multi-Conductor - 600V Type TC Cable

For more Information please call

1-800-Belden1



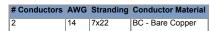
### **General Description:**

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

### **Physical Characteristics (Overall)**

#### Conducto

AWG:



**Total Number of Conductors:** 

2

#### Insulation

Insulation Material:

Insulation Material
PVC/Nylon - Polyvinyl Chloride/Nylon

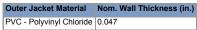
#### **Outer Shield**

Outer Shield Material:



#### **Outer Jacket**

**Outer Jacket Material:** 



#### **Overall Cable**

Overall Cabling Color Code Chart:

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Number	Color
1	Black
2	Red

**Overall Nominal Diameter:** 

0.210 x 0.326 in.

#### **Mechanical Characteristics (Overall)**

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Wet Temperature Range:	-30°C To +75°C
Dry Temperature Range:	-30°C To +90°C
UL Temperature Rating:	75°C Dry, +90°C Wet
Bulk Cable Weight:	62 lbs/1000 ft.
Max. Recommended Pulling Tension:	64 lbs.
Min. Bend Radius/Minor Axis:	2.200 in.

# **Applicable Specifications and Agency Compliance (Overall)**

Applicable	Standarda	9	<b>Environmental</b>	Drograma
Applicable	Stariuarus	α	LIIVII OIIIII EIILAI	Fiograms

NEC/(UL) Specification:	NPLF, TC, THHN/THWN Singles
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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

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Other Specification:	ICEA S-73-532, S-95-658, S-61-402	
Flame Test		
UL Flame Test:	UL1685 Vertical Tray Flame Test	
CSA Flame Test:	FT4	
IEEE Flame Test:	1202	
Suitability		
Suitability - Burial:	Yes	
Sunlight Resistance:	Yes	
Plenum/Non-Plenum		
Plenum (Y/N):	No	

#### **Electrical Characteristics (Overall)**

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 2.520

Max. Operating Voltage - UL:

Voltage	Description		
150 V RMS	NPLF		
600 V RMS	TC		

#### Max. Recommended Current:

Current 25 Amps per conductor at 30C

#### Notes (Overall)

Notes: Parallel (untwisted) construction

## **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
27080A 0101000	1,000 FT	61.000 LB	BLACK		2 #14 PVC/NYL PVC PARA
27080A 01010000	10,000 FT	640.000 LB	BLACK	CZ	2 #14 PVC/NYL PVC PARA
27080A 0105000	5,000 FT	300.000 LB	BLACK	CZ	2 #14 PVC/NYL PVC PARA

Notes: C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Revision Number: 2 Revision Date: 07-30-2012

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