

## 27084A 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
6	14	7x22	BC - Bare Copper

Total Number of Conductors: 6

#### 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 (in.)
PVC - Polyvinyl Chloride	0.047

#### Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	Blue
4	Orange
5	Yellow
6	Brown

Overall Nominal Diameter: 0.442 in.

### Mechanical Characteristics (Overall)

Wet Temperature Range: -30°C To +75°C

Dry Temperature Range: -30°C To +90°C

Bulk Cable Weight: 140 lbs/1000 ft.

Max. Recommended Pulling Tension: 260 lbs.

Min. Bend Radius/Minor Axis: 4.400 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: NPLF, TC, THHN/THWN Singles

EU Directive 2011/65/EU (ROHS II): 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

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MII Order #39 (China RoHS):	Yes
Other Specification:	ICEA S-73-532, S-95-658, S-61-402
<b>Flame Test</b>	
UL Flame Test:	UL1685 UL Loading
C(UL) Flame Test:	FT4
IEEE Flame Test:	1202
<b>Suitability</b>	
Suitability - Burial:	Yes
Sunlight Resistance:	Yes
<b>Plenum/Non-Plenum</b>	
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**  
12

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
27084A 01010000	10,000 FT	1,490.000 LB	BLACK		6 #14 PVC/NYL PVC
27084A 0105000	5,000 FT	755.000 LB	BLACK		6 #14 PVC/NYL PVC

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