

## 27140A Multi-Conductor - 600V Type TC Cable



For more Information  
please call

1-800-Belden1



### Description:

10 AWG multi-conductor stranded (7x18) bare copper conductors, PVC/Nylon insulation, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
4	10	7x18	BC - Bare Copper

#### Ground Wire

Ground Wire (Y/N): N

#### 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	.045

#### Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	Blue
4	Orange

Overall Nominal Diameter: 0.490 in.

### Mechanical Characteristics (Overall)

Wet Temperature Range: -30°C To +75°C

Dry Temperature Range: -30°C To +90°C

UL Temperature Rating: 75°C Wet

Bulk Cable Weight: 231 lbs/1000 ft.

Max. Recommended Pulling Tension: 592 lbs.

Min. Bend Radius (Install)/Minor Axis: 4.900 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: TC, NPLF

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<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>	THHN/THWN Singles, 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>	IEEE 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
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## Electrical Characteristics (Overall)

### Nom. Conductor DC Resistance:

**DCR @ 20°C (Ohm/1000 ft)**

1.04

### Max. Operating Voltage - UL:

**Voltage**

600 V RMS

### Max. Recommended Current:

**Current**

30 Amps per conductor @ 25°C

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
27140A 0101000	1,000 FT	210.000 LB	BLACK	C	4# 10 PVC/NYL PVC CABLE
27140A 01010000	10,000 FT	2,160.000 LB	BLACK	C	CALL CSR - INDUSTRIAL

### Notes:

C = CRATE REEL PUT-UP.

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