# **Detailed Specifications & Technical Data**

### **ENGLISH MEASUREMENT VERSION**



## 27153A Multi-Conductor - 600V Type TC Cable

For more Information please call

1-800-Belden1



# Description:

6 AWG multi-conductor stranded (7x14) bare copper conductors, 8 AWG bare copper ground wire, PVC/Nylon insulation, PVC jacket.

## **Physical Characteristics (Overall)**

### Conductor

#### AWG:

# Conductors	AWG	Stranding	<b>Conductor Material</b>
3	6	7x14	BC - Bare Copper

### **Ground Wire**

Ground Wire (Y/N):	Y
Ground Wire AWG:	8
Ground Wire Stranding:	7x16
Ground Wire Conductor Material:	BC - Bare Copper

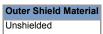
#### Insulation

Insulation Material:

Insulation Material
PVC/Nylon - Polyvinyl Chloride/Nylon

#### **Outer Shield**

**Outer Shield Material:** 



### **Outer Jacket**

**Outer Jacket Material:** 

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.060

### **Overall Cable**

**Overall Cabling Color Code Chart:** 

Color	
BLACK	AND NUMBERED

Overall Nominal Diameter: 0.670 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:	426 lbs/1000 ft.
Max. Recommended Pulling Tension:	915 lbs.
Min. Bend Radius (Install)/Minor Axis:	6.700 in.

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Annicola Considerations and Annous Compliance (Occupil)					
Applicable Specifications and Agency Compliance (Overall)					
Applicable Standards & Environmental Program	ms				
NEC/(UL) Specification:	TC, NPLF				
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				
Other Specification:	ICEA S-73-532, S-95-658, S-61-402				
Flame Test					
UL Flame Test:	UL1685 UL Loading				
C(UL) Flame Test:	FT4				
IEEE Flame Test:	IEEE 1202				
ICEA Flame Test:	T-29-520				
Suitability					
Suitability - Burial:	Yes				
Sunlight Resistance:	Yes				

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

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) .40

Plenum/Non-Plenum Plenum (Y/N):

Max. Operating Voltage - UL:

Voltage 600 V RMS

Max. Recommended Current:

**Current** 78 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
27153A 0101000	1,000 FT	477.000 LB	BLACK	С	3#6 PVC/NYL PVC CABLE
27153A 0105000	5,000 FT	2,390.000 LB	BLACK	С	CALL CSR - INDUSTRIAL

No

#### Notes:

C = CRATE REEL PUT-UP.

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