

## 27156A Multi-Conductor - 600V Type TC Cable

For more Information  
please call

1-800-Belden1

**General Description:**

4 AWG multi-conductor stranded (7x12) bare copper conductors, 8 AWG bare copper ground wire, PVC/Nylon insulation, PVC jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

# Conductors	AWG	Stranding	Conductor Material
3	4	7x12	BC - Bare Copper

Total Number of Conductors: 3

**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 Shield Material
Unshielded

**Outer Jacket****Outer Jacket Material:**

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

Outer Jacket Ripcord: Yes

**Overall Cable****Overall Cabling Lay Length & Direction:**

Length (mm)	Twists (twist/m)
253.999	3.9372

**Overall Cabling Color Code Chart:**

Number	Color
1	Black and Numbered 1
2	Black and Numbered 2
3	Black and Numbered 3

Overall Nominal Diameter: 20.828 mm

**Mechanical Characteristics (Overall)**

Wet Temperature Range: -30°C To +75°C

Dry Temperature Range: -30°C To +90°C

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Bulk Cable Weight:	937.566 Kg/Km
Max. Recommended Pulling Tension:	6472.130 N
Min. Bend Radius/Minor Axis:	208.280 mm

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification:	TC, NPLF, 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
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
CSA Flame Test:	FT4
IEEE Flame Test:	1202
ICEA Flame Test:	T-29-520

## Suitability

Suitability - Burial:	Yes
Sunlight Resistance:	Yes

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
0.85306

## Max. Operating Voltage - UL:

Voltage
600 V RMS

## Max. Recommended Current:

Current
95 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
27156A 0105000	5,000 FT	3,305.000 LB	BLACK	C	600V/C/03/4AWG/7B/PVCN/BLK#D/N

## Notes:

C = CRATE REEL PUT-UP.

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