



**Product:** [27335A](#)

TC VN/PVC, 5 C #18 Str BC, PVC-NYL Ins E2, Blk PVC Jkt, 600V TC 150V NPLF 90C Dry/Wet SUN RES DIR BUR

## Product Description

UL Type TC (1277) PVC-Nylon/PVC, 5 Conductor 18AWG (7x26) Bare Copper, PVC-NYL Insulation E2 Color Code, Black PVC Outer Jacket, 600V TC 150V NPLF 90C Dry/Wet SUN RES DIR BUR

## Technical Specifications

### Product Overview

Suitable Applications:	Power and Control Applications up to 600V; Class 1 Division 2 Hazardous Locations; Recommended Cable Gland Belden BTC075A0551RA
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### Construction Details

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	5	18 AWG	7x26	BC - Bare Copper

#### Insulation

Element	Separator	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	Conductor(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.022 in (0.56 mm)	0.088 in (2.2 mm)	Black, Red, Blue, Orange, Yellow

#### Inner Shield

<b>Shield Type</b>
No Shield

#### Outer Shield

<b>Shield Type</b>
No Shield

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.047 in (1.2 mm)	0.337 in	Yes

Overall Cable Diameter (Nominal): 0.337 in

### Electrical Characteristics

#### Electricals

Nom. Conductor DCR	Max. Current
6.66 Ohm/1000ft	11.2 Amps per Conductor at 30°C

#### Voltage

<b>UL Voltage Rating</b>
600 V (TC), 150 V (NPLF)

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating
90°C Dry, 75°C Wet	-30°C To +75°C Wet/90°C Dry

## Bend Radius

Stationary Min.	Installation Min.
1.348 in (34.24 mm)	1.685 in

Max. Pull Tension:	112 lbs (50.8 kg)
Bulk Cable Weight:	65 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance, Burial
Flammability / Reaction to Fire:	UL1685 UL Loading, IEEE 1202 FT4
NEC / UL Compliance:	Article 336, NPLF, TC
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.582 Revision Date: 02-03-2025
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC
27335A 0105000	Black	Reel	5,000 ft	612825133896
27335A 01010000	Black	Reel	10,000 ft	612825133889

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