



Product: [27149AX](#)

TC VN/PVC, 2 C #8 Str BC, PVC-NYL Ins M4, Blk PVC Jkt, 600V TC 90C Dry/Wet SUN RES DIR BUR

### Product Description

UL Type TC (1277) PVC-Nylon/PVC, 2 Conductor 8AWG (7x16) Bare Copper, PVC-NYL Insulation M4 Color Code, Black PVC Outer Jacket, 600V TC 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)	2	8 AWG	7x16	BC - Bare Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.032 in (0.81 mm)	0.206 in mm	Black and Numbered

##### Outer Shield

Material
No Shield

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.047 in (1.2 mm)	0.506 in	Yes

Overall Cable Diameter (Nominal): 0.506 in

#### Electrical Characteristics

##### Electricals

Nom. Conductor DCR	Max. Current
0.666 Ohm/1000ft	55 Amps per Conductor at 30°C

##### Voltage

UL Voltage Rating
600 V (TC)

#### Mechanical Characteristics

##### Temperature

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

##### Bend Radius

Stationary Min.	Installation Min.
2.024 in (51.41 mm)	2.53 in

Max. Pull Tension:	436.8 lbs (198.1 kg)
Bulk Cable Weight:	220 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL 1685 UL Loading, IEEE 1202 FT4
NEC / UL Compliance:	Article 336, TC, THHN, THWN
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: 0.79 Revision Date: 02-03-2025
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## Part Numbers

### Variants

Item #	Putup Type
27149AX01010000	Reel

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