



Product: [47138A](#)

TC VN/PVC, 2 C #10 Str BC, PVC-NYL Ins E1, Blk PVC Jkt, 600V TC 90C Dry/Wet SUN RES DIR BUR

### Product Description

UL Type TC (1277) PVC-Nylon/PVC, 2 Conductor 10AWG (Class B) Bare Copper, PVC-NYL Insulation E1 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
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#### Construction Details

##### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	10 AWG	7x18	BC - Bare Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.028 in (0.71 mm)	0.166 in mm	Black, White

##### Outer Shield

Material
No Shield

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.047 in (1.2 mm)	0.260 in x 0.426 in	Yes

Overall Cable Diameter (Nominal):	0.260 in x 0.426 in
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#### Electrical Characteristics

##### Electricals

Nom. Conductor DCR	Max. Current
1.04 Ohm/1000ft	40 Amps per Conductor at 30°C

##### Voltage

UL Voltage Rating
600 V

#### Mechanical Characteristics

##### Temperature

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

##### Bend Radius

Stationary Min.	Installation Min.
1.704 in (43.28 mm)	2.13 in

Max. Pull Tension:	263.6 lbs (119.6 kg)
Bulk Cable Weight:	106 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV 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: 0.60 Revision Date: 05-31-2024
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