



Product: [A03024B](#)

TC VN/PVC, 3+G C #2+6 Str BC, PVC-NYL Ins M4, Blk PVC Jkt, 600V  
TC-ER 90C Dry/Wet SUN RES DIR BUR

### Product Description

UL Type TC (1277) PVC-Nylon/PVC, 3+G Conductor 2+6AWG (Class B) Bare Copper, PVC-NYL Insulation M4 Color Code, Black PVC Outer Jacket, 600V TC-ER 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)	3	1 AWG	7x10	BC - Bare Copper
Ground Wire	1	6 AWG	7x14	BC - Bare Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.038 in (0.97 mm)	0.254 in mm	Black and Numbered
Ground Wire	No Insulation			

##### Outer Shield

Material
No Shield

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.083 in (2.1 mm)	0.987 in	Yes

Overall Cable Diameter (Nominal):	0.987 in
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#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	0.166 Ohm/1000ft	130 Amps per Conductor at 30°C
Ground Wire	0.47 Ohm/1000ft (1.5 Ohm/km)	

##### Voltage

UL Voltage Rating
600 V

#### Mechanical Characteristics

##### Temperature

UL Temperature	Operating
90°C Dry, 90°C Wet	-25°C To +90°C

## Bend Radius

Stationary Min.	Installation Min.
3.948 in (100.3 mm)	4.935 in

Max. Pull Tension:	3508.3 lbs (1591.3 kg)
Bulk Cable Weight:	754 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-ER, THWN-2
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)

## History

Update and Revision:	Revision Number: 0.70 Revision Date: 02-03-2025
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## Part Numbers

### Variants

Item #	Putup Type
A03024B 0102500	Reel

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