



Product: [A032A4B](#)

TC VN/PVC, 3+G C #2/0 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 2/0AWG (19x) 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	2/0 AWG	19x11	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	0.062 in (1.6 mm)	0.526 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	0.085 in (2.2 mm)	1.301 in	Yes

Overall Cable Diameter (Nominal):	1.301 in
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#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	0.084 Ohm/1000ft	195 Amps per Conductor at 30°C
Ground Wire	0.41 Ohm/1000ft (1.3 Ohm/km)	120 Amps per Conductor at 30°C

##### Voltage

UL Voltage Rating
600 V (TC-ER)

#### Mechanical Characteristics

##### Temperature

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

## Bend Radius

Stationary Min.	Installation Min.
6.505 in (165.2 mm)	7.806 in

Max. Pull Tension:	5195.5 lbs (2356.6 kg)
Bulk Cable Weight:	167lbs/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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.67 Revision Date: 05-31-2024
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