



Product: [48119A](#)

TC VN/PVC, 12 C #12 Str BC, PVC-NYL Ins E1, Blk PVC Jkt, 600V TC-ER 150V NPLF 90C Dry/Wet SUN RES DIR BUR

### Product Description

UL Type TC (1277) PVC-Nylon/PVC, 12 Conductor 12AWG (Class B) Bare Copper, PVC-NYL Insulation E1 Color Code, Black PVC Outer Jacket, 600V TC-ER 150V NPLF 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)	12	12 AWG	7x20	BC - Bare Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.019 in (0.48 mm)	0.131 in (3.33 mm)	ICEA Chart E1

##### Outer Shield

Material
No Shield

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.063 in (1.6 mm)	0.666 in	Yes

Overall Cable Diameter (Nominal):	0.666 in
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#### Electrical Characteristics

##### Electricals

Nom. Conductor DCR	Max. Current
1.72 Ohm/1000ft	15 Amps per Conductor at 30°C

##### Voltage

UL Voltage Rating
600 V (TC-ER), 150 V (NPLF)

#### Mechanical Characteristics

##### Temperature

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

##### Bend Radius

Stationary Min.	Installation Min.
2.66 in (67.6 mm)	3.33 in

Max. Pull Tension:	1041.6 lbs (472.46 kg)
Bulk Cable Weight:	371 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 310, Article 336, Article 760, TC-ER, NPLF, 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: 0.57 Revision Date: 02-03-2025
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## Part Numbers

### Variants

Item #	Putup Type	UPC
48119A 0102500	Reel	
48119A 0105000	Reel	612825378792

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