



**Product:** [27601A](#)

TC VN/PVC, 8 C #18 Str BC, PVC-NYL Ins E2, Blk PVC Jkt, 600V TC 150V NPLF 90C Dry/Wet SUN RES DIR BUR

### Product Description

UL Type TC (1277) PVC-Nylon/PVC, 8 Conductor 18AWG (7x26) Bare Copper, PVC-NYL Insulation E2 Color Code, Black PVC Outer Jacket, 600V TC 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)	8	18 AWG	7x26	BC - Bare Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.022 in (0.56 mm)	0.088 in (2.2 mm)	Black, Red, Blue, Orange, Yellow, Brown, Red/Black, Blue/Black

##### Outer Shield

Material
No Shield

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.047 in (1.2 mm)	0.385 in	Yes

Overall Cable Diameter (Nominal):	0.385 in
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#### Electrical Characteristics

##### Electricals

Nom. Conductor DCR	Max. Current
6.7 Ohm/1000ft	9.8 Amps per Conductor at 30°C

##### Voltage

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

#### Mechanical Characteristics

##### Temperature

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

##### Bend Radius

Stationary Min.	Installation Min.
1.54 in (39.1 mm)	1.925 in

Max. Pull Tension:	176 lbs (79.8 kg)
Bulk Cable Weight:	93 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL1685 UL Loading, IEEE 1202 FT4
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 336, Article 760, NPLF, TC
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.472 Revision Date: 06-07-2023
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC
27601A 0105000	Black	Reel	5,000 ft	612825134176
27601A 01010000	Black	Reel	10,000 ft	612825134169

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