



**Product:** [27641A](#)

TC VN/PVC, 2 C #12 Str BC, PVC-NYL Ins E2, Blk PVC Jkt, 600V TC 150V NPLF 90C Wet/Dry SUN RES DIR BUR

### Product Description

UL Type TC (1277) PVC-Nylon/PVC, 2 Conductor 12AWG (7x20) Bare Copper, PVC-NYL Insulation E2 Color Code, Black PVC Outer Jacket, 600V TC 150V NPLF 90C Wet/Dry 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	Number of Element	Size	Stranding	Material
Conductor(s)	2	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)	Black, Red

##### Outer Shield

Material
No Shield

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.047 in (1.2 mm)	0.354 in	Yes

Overall Cable Diameter (Nominal):	0.354 in
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#### Electrical Characteristics

##### Electricals

Nom. Conductor DCR	Max. Current
1.68 Ohm/1000ft	30 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, 90°C Wet	Wet/Dry: -30°C to 90°C

##### Bend Radius

Stationary Min.	Installation Min.
1.416 in (35.97 mm)	1.77 in

Max. Pull Tension:	174 lbs (78.9 kg)
Bulk Cable Weight:	78 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL1685 UL Loading, IEEE 1202 FT4
NEC / UL Compliance:	Article 336, NPLF, TC, 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)
Other Standard Compliance(s):	ICEA S-73-532, S-95-658, S-61-402

## History

Update and Revision:	Revision Number: 0.345 Revision Date: 07-01-2022
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## Part Numbers

### Variants

Item #	Putup Type	UPC
27641A 01010000	Reel	612825329657
27641A 01010000	Reel	612825329657
27641A 0102500	Reel	612825329664
27641A 0105000	Reel	612825329671
27641A 0105000	Reel	612825329671

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