



**Product:** [47337AS](#)

TC VN/PVC, 2 C #16 Str BC, PVC-NYL Ins E1, OS, Blk PVC Jkt, 600V TC  
150V NPLF 90C Dry/Wet SUN RES DIR BUR

## Product Description

UL Type TC (1277) PVC-Nylon/PVC, 2 Conductor 16AWG (Class B) Bare Copper, PVC-NYL Insulation E1 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, 600V TC 150V NPLF 90C Dry/Wet SUN RES DIR BUR

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
16	7x24	BC - Bare Copper	2

Conductor Count: 2

#### Insulation

Material	Nominal Diameter
PVC/Nylon - Polyvinyl Chloride + Nylon	0.101 in

#### Color Chart

Number	Color
1	Black
2	White

#### Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	18

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.302 in	0.047 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
4.2 Ohm/1000ft

#### Current

Max. Recommended Current [A]
8 Amps per Conductor at 30°C

#### Voltage

UL Description	UL Voltage Rating	Voltage Rating [V]
TC	600 V RMS (Type TC)	600 V RMS (Type TC)

### Temperature Range

UL Temp Rating:	90°C Dry, 90°C Wet
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Operating Temp Range:	-25°C To +90°C
Wet Temp Range:	-30°C To +90 °C
Dry Temp Range:	-30°C To +90 °C

## Mechanical Characteristics

Min Bend Radius (Overall):	2.416 in
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## Standards

NEC/(UL) Compliance:	NPLF, TC
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## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01

## Suitability

Suitability - Burial:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

## Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 Vertical Tray Flame Test
UL voltage rating:	600 V RMS (Type TC)

## Part Number

### Variants

Item #	Putup Type	UPC
47337AS 0105000	Reel	
47337AS01010000	Reel	612825364887
47337AS01020000	Reel	

## History

Update and Revision:	Revision Number: 0.36 Revision Date: 02-16-2021
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