


**Product:** [28177A](#) 



TC VN/PVC, 3+G C #4/0+4 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 4/0+4AWG (Class B) Bare Copper, PVC-NYL Insulation M4 Color Code, Black PVC Outer Jacket, 600V TC-ER 90C Dry/Wet SUN RES DIR BUR

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
4/0	19x9.5	BC - Bare Copper	3
4		BC - Bare Copper	1

Conductor Count: 3

#### Insulation

Material	Nominal Diameter
PVC/Nylon - Polyvinyl Chloride + Nylon	0.635 in
No Insulation	

#### Color Chart

Number	Color
1	Black
2	Black
3	Black
4	Black

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	1.538 in	0.083 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
0.067 Ohm/1000ft

#### Current

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

#### Voltage

UL Description	UL Voltage Rating	Voltage Rating [V]
TC-ER	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):	12.304 in
Min Bend Radius/Minor Axis:	7.69 in

## Standards

NEC/(UL) Compliance:	TC-ER
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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, LS0H, Toxicity Testing

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

## Part Number

### Variants

Item #	Putup Type	UPC
28177A 0102500	Reel	612825365686

## History

Update and Revision:	Revision Number: 0.40 Revision Date: 02-16-2021
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