



**Product:** [28174C](#)

TC XLPE/PVC, 3 C #3/0 Str BC, XLPE Ins M4, Blk PVC Jkt, 600V TC-ER 90C Dry/Wet SUN RES DIR BUR

## Product Description

UL Type TC (1277) XLPE/PVC, 3 Conductor 3/0AWG (19x) Bare Copper, XLPE Insulation M4 Color Code, Black PVC Outer Jacket, 600V TC-ER 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	Number of Element	Size	Stranding	Material
Conductor(s)	3	3/0 AWG	19x10	BC - Bare Copper
Ground	1	4 AWG	7x12	BC - Bare Copper

#### Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
XLPE, XLPO, XLPE (Thermoset)	0.059 in (1.5 mm)	0.572 in (14.5 mm)	Black and Numbered

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.083 in (2.1 mm)	1.425 in	Yes

### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	0.067 Ohm/1000ft	225 Amps per Conductor at 30°C
Ground	0.26 Ohm/1000ft (0.85 Ohm/km)	95 Amps per Conductor at 30°C

#### Voltage

UL Voltage Rating
600 / 1000 V (TC-ER)

### 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.
7.1 in (180 mm)	7.1 in

Max. Pull Tension:	7712.2 lbs
Bulk Cable Weight:	2030 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL 1685 UL loading, IEEE 1202 FT4
NEC / UL Compliance:	Article 336, TC-ER, XHHW-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)

## History

Update and Revision:	Revision Number: 0.56 Revision Date: 11-11-2021
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## Variants

Item #	Putup Type
28174C 0102500	Reel
28174C 0102500	Reel

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