



Product: [28177C](#)

TC XLPE/PVC, 3+G C #4/0+4 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+G Conductor 4/0+4AWG (Class B) 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	4/0 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)	0.630 in (16.0 mm)	Black and Numbered

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.083 in (2.1 mm)	1.524 in	Yes

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	0.053 Ohm/1000ft	260 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.
7.6 in (190 mm)	7.6 in

Max. Pull Tension:	7712.2 lbs
Bulk Cable Weight:	2483 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: 0.63 Revision Date: 11-11-2021
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Variants

Item #	Putup Type	UPC
28177C 0102500	Reel	612825359289
28177C 0102500	Reel	

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