



Product: [28145C](#) 

TC XLPE/PVC, 9 C #10 Str BC, XLPE Ins E2, Blk PVC Jkt, 600/1000V TC-ER
90C Dry/Wet SUN RES DIR BUR

Product Description

UL Type TC (1277) XLPE/PVC, 9 Conductor 10AWG (7x18) Bare Copper, XLPE Insulation E2 Color Code, Black PVC Outer Jacket, 600V TC 90C Dry/Wet SUN RES DIR BUR

Technical Specifications

Product Overview

Suitable Applications:	Power and Control Applications up to 600/1000V Class 1 Division 2 Hazardous Locations; Recommended Cable Gland Belden BTC075A0791RA
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Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	10	7x18	BC - Bare Copper	9

Conductor Count:	9
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Insulation

Material
XLP, XLPO, XLPE (Thermoset)

Color Chart

Color
Black
Red
Blue
Orange
Yellow
Brown
Red/Black
Blue/Black
Orange/Black

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.816 in	0.063 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
1.07 Ohm/1000ft

Current

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

Voltage

UL Voltage Rating	Voltage Rating [V]
600 / 1000 V	600 V RMS (Type TC)

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	461 lbs/1000ft
Maximum Recommended Pulling Tension:	1400 lbs
Minimum Bend Radius During Installation:	4.08 in
Minimum Minor Axis Bend Radius:	3.04 in

Standards

NEC Articles:	Article 336, Article 310
NEC/(UL) Compliance:	TC-ER, XHHW-2

Suitability

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

Flammability, LS0H, Toxicity Testing

CSA/C(UL) Flammability:	FT4
IEEE Flammability:	IEEE 1202
UL voltage rating:	600 V RMS (Type TC)

History

Update and Revision:	Revision Number: 0.46 Revision Date: 10-05-2026
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