



Product: [28151C](#)

TC XLPE/PVC, 4+G C #8+10 Str BC, XLPE Ins M4, Blk PVC Jkt, 600/1000V
TC-ER 90C Dry/Wet SUN RES DIR BUR

Product Description

UL Type TC (1277) XLPE/PVC, 4+G Conductor 8+10AWG (7x16+7x18H) 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 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	Nominal Diameter	No. of Conductors
Conductor(s)	8	7x16	BC - Bare Copper	0.143 in	4
Ground Wire	10	7x18	BC - Bare Copper	0.110 in	1

Conductor Count:	4
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Insulation

Element	Material	Nominal Diameter	Nominal Wall Thickness
Conductor(s)	XLP, XLPO, XLPE (Thermoset)	0.236 in	0.047 in
Ground	XLP, XLPO, XLPE (Thermoset)		

Color Chart

Number	Color
ICEA S-73-732 Table M4	Black #1
	Black #2
	Black #3
	Black #4

Color Chart 2

Color
Yellow/Green

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.696 in	0.063 in	Yes

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
0.666 Ohm/1000ft
0.6795 Ohm/1000ft

Current

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

55 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:	379 lbs/1000ft
Maximum Recommended Pulling Tension:	1092 lbs
Minimum Bend Radius During Installation:	3.48 in
Minimum Minor Axis Bend Radius:	2.76 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: 0.252 Revision Date: 10-05-2026
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