



Product: [28172C](#) 

TC XLPE/PVC, 4+G C #2/0+6 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 2/0+6AWG (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 600/1000V Class 1 Division 2 Hazardous Locations; Recommended Cable Gland Belden BTC200A1741RA
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Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	2/0	19x11.5	BC - Bare Copper	4
Ground	6	7x14	BC - Bare Copper	1

Conductor Count:	4
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Insulation

Material	Nominal Diameter	Nominal Wall Thickness
XLP, XLPO, XLPE (Thermoset)	0.516 in	0.057 in
XLP, XLPO, XLPE (Thermoset)		

Color Chart

Color
Black #1
Black #2
Black #3
Black #4

Color Chart 2

Color
Green/Yellow

Outer Jacket

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.083 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
0.0827 Ohm/1000ft
0.4276 Ohm/1000ft

Current

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

75 Amps per Conductor at 30°C

Voltage

UL Voltage Rating	Voltage Rating [V]
600 / 1000V	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:	2145 lbs/1000ft
Maximum Recommended Pulling Tension:	4444 lbs
Minimum Bend Radius During Installation:	7.145 in
Minimum Continuous Flexing Bend Radius:	7.145 in
Minimum Minor Axis Bend Radius:	7.15 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, LSOH, Toxicity Testing

IEEE Flammability:	IEEE 1202
UL voltage rating:	600 V RMS (Type TC)

History

Update and Revision:	Revision Number: 0.56 Revision Date: 10-06-2026
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