Belden



Product: 28157C

TC XLPE/PVC, 4+G C #4+8 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 4+8AWG (7x12+7x16) Bare Copper, XLPE Insulation M4 Color Code, Black PVC Outer Jacket, 600/1000V 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 BTC100A1041RA

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	4	7x12	BC - Bare Copper
Ground		8	7x16	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
XLP, XLPO, XLPE (Thermoset)	0.047 in (1.2 mm)	0.319 in (8.10 mm)	Black #1, Black #2, Black #3, Black #4
XLP, XLPO, XLPE (Thermoset)			

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.085 in (2.2 mm)	0.920 in (23.4 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
0.264 Ohm/1000ft (0.866 Ohm/km)	76 Amps per Conductor at 30ºC
0.6795 Ohm/1000ft (2.229 Ohm/km)	

Voltage

UL Voltage Rating
600 / 1000V

Mechanical Characteristics

Temperature

UL Temperature	Operating
90°C Dry, 90°C Wet	-30°C To +90°C

Bend Radius

Installation Min.	Flexing Min.
3.76 in (95.5 mm)	4.7 in (120 mm)

Max. Pull Tension:	2430 lbs (1100 kg)
Bulk Cable Weight:	796 lbs/1000ft (1180 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance, Burial
Flammability / Reaction to Fire:	UL 1685 UL Loading, IEEE 1202
NEC / UL Compliance:	Article 336, Article 310, 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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.62 Revision Date: 10-30-2026

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