Belden



Product: 28153C

TC XLPE/PVC, 3+G C #6+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, 3+G Conductor 6+8AWG (7x14+7x16) 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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	3	6	7x14	BC - Bare Copper
Ground	1	8	7x16	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
XLP, XLPO, XLPE (Thermoset)	0.047 in (1.2 mm)	0.272 in (6.91 mm)	Black and Numbered

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.063 in (1.6 mm)	0.722 in	Yes

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	0.42 Ohm/1000ft	75 Amps per Conductor at 30ºC
Ground	0.66 Ohm/1000ft (2.2 Ohm/km)	

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.
2.88 in (73.2 mm)	3.6 in

Max. Pull Tension:	1262.1 lbs (572.48 kg)
Bulk Cable Weight:	425 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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.86 Revision Date: 10-07-2026

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