



Product: [28174A](#)

TC VN/PVC, 3+G C #3/0+4 Str BC, PVC-NYL Ins M4, Blk PVC Jkt, 600V
TC-ER 90C Dry/Wet SUN RES DIR BUR

Product Description

UL Type TC (1277) PVC-Nylon/PVC, 3+G Conductor 3/0+4AWG (Class B) Bare Copper, PVC-NYL 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 600V; Class 1 Division 2 Hazardous Locations; Recommended Cable Gland Belden BTC200A1741RA
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	3	3/0	19x10	BC - Bare Copper
Ground	1	4	7x12	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PVC/Nylon - Polyvinyl Chloride + Nylon	0.055 in (1.4 mm)	0.566 in (14.4 mm)	Black and Numbered

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.083 in (2.1 mm)	1.425 in (36.20 mm)	Yes

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	0.067 Ohm/1000ft	225 Amps per Conductor at 30°C
Ground	0.26 Ohm/1000ft (0.85 Ohm/km)	95 Amps per Conductor at 30°C

Voltage

UL Voltage Rating
600 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.
7.1 in (180 mm)	7.1 in (180 mm)

Max. Pull Tension:	6463.6 lbs (2931.8 kg)
Bulk Cable Weight:	2034 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, THWN-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)

History

Update and Revision:	Revision Number: 0.189 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Putup Type	UPC
28174A 0102500	Reel	612825365372

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