



Product: [27636A](#) 

TC VN/PVC, 2 C #14 Str BC, PVC-NYL Ins E2, Blk PVC Jkt, 600V TC 150V
NPLF 90C Wet/Dry SUN RES DIR BUR

Product Description

UL Type TC (1277) PVC-Nylon/PVC, 2 Conductor 14AWG (7x22) Bare Copper, PVC-NYL Insulation E2 Color Code, Black PVC Outer Jacket, 600V TC 150V NPLF 90C Wet/Dry 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 BTC075A0551RA
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	14 AWG	7x22	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.019 in (0.48 mm)	0.112 in (2.84 mm)	Black, Red

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.047 in (1.2 mm)	0.318 in (8.08 mm)	Yes

Overall Cable Diameter (Nominal):	0.318 in (8.08 mm)
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
2.67 Ohm/1000ft	24 Amps per Conductor at 30°C

Voltage

UL Voltage Rating
600 V (TC), 150 V (NPLF)

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.
1.272 in (32.31 mm)	1.59 in (40.4 mm)

Max. Pull Tension:	109 lbs (49.4 kg)
Bulk Cable Weight:	57 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL1685 UL Loading, IEEE 1202 FT4
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 336, NPLF, TC, 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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.617 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
27636A 0105000	Black	Reel	5,000 ft	612825134411	C Z
27636A 01010000	Black	Reel	10,000 ft	612825134404	C Z

Footnote:	C - CRATE REEL PUT-UP., Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.
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