



**Product:** [28157A](#)

TC VN/PVC, 4+G C #4+8 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, 4+G Conductor 4+8AWG (7x12+7x16) 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 BTC100A1041RA
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#### Construction Details

##### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	4 AWG	7x12	BC - Bare Copper
Ground Wire	1	8 AWG	7x16	BC - Bare Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.046 in (1.2 mm)	0.323 in (8.20 mm)	Black and Numbered
Ground Wire	No Insulation			

##### Outer Shield

Material
No Shield

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.083 in (2.1 mm)	0.955 in (24.3 mm)	Yes

Overall Cable Diameter (Nominal): 0.955 in (24.3 mm)

#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	0.26 Ohm/1000ft	76 Amps per Conductor at 30°C
Ground Wire	0.67 Ohm/1000ft (2.2 Ohm/km)	55 Amps per Conductor at 30°C

##### Voltage

UL Voltage Rating
600 V

#### 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.
3.82 in (97.0 mm)	4.775 in (121.3 mm)

Max. Pull Tension:	2430.4 lbs (1102.4 kg)
Bulk Cable Weight:	802 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance, Burial
Flammability / Reaction to Fire:	UL 1685 UL Loading, IEEE 1202 FT4
NEC / UL Compliance:	Article 336, Article 310, 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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.484 Revision Date: 02-03-2025
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
28157A 0102500		Reel		612825330806	
28157A 0105000	Black	Reel	5,000 ft	612825135609	C Z

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