



Product: [28141A](#)

TC VN/PVC, 5 C #10 Str BC, PVC-NYL Ins E2, Blk PVC Jkt, 600V TC-ER 90C Dry/Wet SUN RES DIR BUR

Product Description

UL Type TC (1277) PVC-Nylon/PVC, 5 Conductor 10AWG (7x18) Bare Copper, PVC-NYL Insulation E2 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 BTC075A0791RA
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	5	10 AWG	7x18	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.024 in (0.61 mm)	0.164 in (4.17 mm)	Black, Red, Blue, Orange, Yellow

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.063 in (1.6 mm)	0.569 in (14.5 mm)	Yes

Overall Cable Diameter (Nominal):	0.569 in (14.5 mm)
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
1.06 Ohm/1000ft	32 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.
2.276 in (57.81 mm)	2.845 in (72.26 mm)

Max. Pull Tension:	740 lbs (340 kg)
Bulk Cable Weight:	257 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: 0.481 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
28141A 01020000		Reel		
28141A 0105000		Reel		612825135463
28141A 0105000		Reel		612825135463
28141A 01010000	Black	Reel	10,000 ft	612825135456

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