



Product: [28163A](#)



TC VN/PVC, 19 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, 19 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 BTC100A1041RA
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	19	10 AWG	7x18	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.028 in (0.71 mm)	0.166 in mm	Black, Red, Blue, Orange, Yellow, Brown, Red/Black, Blue/Black, Orange/Black, Yellow/Black, Brown/Black, Black/Red, Blue/Red, Orange/Red, Yellow/Red, Brown/Red, Black/Blue, Red/Blue, Orange/Blue

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.083 in (2.1 mm)	0.986 in	Yes

Overall Cable Diameter (Nominal):	0.986 in
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
1.07 Ohm/1000ft	20 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.
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3.944 in (100.2 mm)	4.93 in
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Max. Pull Tension:	2929.2 lbs (1328.7 kg)
Bulk Cable Weight:	890 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, 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: 0.67 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Putup Type	UPC
28163A 0105000	Reel	612825366522

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