



Product: [28132A](#)

TC VN/PVC, 25 C #12 Str BC, PVC-NYL Ins E2, Blk PVC Jkt, 600V TC-ER
150V NPLF 90C Dry/Wet SUN RES DIR BUR

Product Description

UL Type TC (1277) PVC-Nylon/PVC, 25 Conductor 12AWG (7x20) Bare Copper, PVC-NYL Insulation E2 Color Code, Black PVC Outer Jacket, 600V TC-ER 150V NPLF 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)	25	12 AWG	7x20	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)	0.131 in (3.33 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, Yellow/Blue, Brown/Blue, Black/Orange, Red/Orange, Blue/Orange, Yellow/Orange

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.083 in (2.1 mm)	0.946 in (24.0 mm)	Yes

Overall Cable Diameter (Nominal):	0.946 in (24.0 mm)
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
1.68 Ohm/1000ft	13.5 Amps per Conductor at 30°C

Voltage

UL Voltage Rating
600 V (TC-ER), 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.
3.784 in (96.11 mm)	4.73 in (120 mm)

Max. Pull Tension:	2170 lbs (984 kg)
Bulk Cable Weight:	759 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, Article 760, NPLF, 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: 0.221 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Putup Type	UPC
28132A 0105000	Reel	612825365464
28132A 0105000	Reel	612825365464

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