



Product: [28140A](#)

TC VN/PVC, 4 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, 4 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
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Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	4	10	7x18	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PVC/Nylon - Polyvinyl Chloride + Nylon	0.022 in (0.56 mm)	0.156 in (3.96 mm)	Black, Red, Blue, Orange

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.047 in (1.2 mm)	0.495 in (12.6 mm)	Yes

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 (TC-ER)

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.
1.96 in (49.8 mm)	2.45 in (62.2 mm)

Max. Pull Tension:	600 lbs (270 kg)
Bulk Cable Weight:	156 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL 1685 UL loading, IEEE 1202 FT4
NEC / UL Compliance:	Article 336, TC-ER, THWN-2 Singles
European Directive Compliance:	EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
Other Standard Compliance(s):	ICEA S-73-532, S-95-658, S-61-402

History

Update and Revision:	Revision Number: 0.548 Revision Date: 01-20-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
28140A 0105000	Black	Reel	5,000 ft	612825135449
28140A 01010000	Black	Reel	10,000 ft	612825135432

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