



Product: [48140A](#)

TC VN/PVC, 4 C #10 Str BC, PVC-NYL Ins E1, Blk PVC Jkt, 600V TC-ER
150V NPLF 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 E1 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
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	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, White, Red, Green

Outer Shield

Material
No Shield

Outer Jacket

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

Overall Cable Diameter (Nominal): 0.495 in (12.6 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
1.04 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.
1.98 in (50.3 mm)	2.475 in (62.87 mm)

Max. Pull Tension:	587.2 lbs (266.3 kg)
Bulk Cable Weight:	196 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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.62 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Putup Type	UPC
48140A 01010000	Reel	612825336211
48140A 01020000	Reel	612825336228
48140A 0105000	Reel	612825336235

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