



Product: [A03182R](#)

TC VN/PVC, 3 C #18 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, 3 Conductor 18AWG (7x26) 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	No. of Elements	Size	Stranding	Material
Conductor(s)	3	18 AWG	7x26	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.022 in (0.56 mm)	0.088 in mm	Black, Red, Blue

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.047 in (1.2 mm)	0.284 in	Yes

Overall Cable Diameter (Nominal): 0.284 in

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
6.7 Ohm/1000ft	14 Amps per Conductor at 30°C

Voltage

UL Voltage Rating
600 V (TC-ER), 150 V RMS (NPLF) (NPLF)

Mechanical Characteristics

Temperature

UL Temperature	Operating
90°C Dry, 90°C Wet	-30°C to 90°C Dry/Wet

Bend Radius

Stationary Min.	Installation Min.
1.136 in (28.85 mm)	1.42 in

Max. Pull Tension:	68 lbs (31 kg)
Bulk Cable Weight:	57 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL 1685 UL Loading, IEEE 1202 FT4
NEC / UL Compliance:	Article 336, TC-ER, TFFN
CEC / C(UL) Compliance:	FT4
IEEE Compliance:	1202
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: 0.129 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Putup Type
A03182R01010000	Reel
A03182R01015000	Reel

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