



Product: [28341AS](#)



TC VN/PVC, 12 C #16 Str BC, PVC-NYL Ins E2, OS, Blk PVC Jkt, 600V
TC-ER 150V NPLF 90C Dry/Wet SUN RES DIR BUR

Product Description

UL Type TC (1277) PVC-Nylon/PVC, 12 Conductor 16AWG (7x24) Bare Copper, PVC-NYL Insulation E2 Color Code, Overall Beldfoil® Shield, 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)	12	16 AWG	7x24	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.056 in (1.4 mm)	0.099 in (2.5 mm)	Black, Red, Blue, Orange, Yellow

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	16 AWG (7x24) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.047 in (1.2 mm)	0.509 in (12.9 mm)	Yes

Overall Cable Diameter (Nominal):	0.509 in (12.9 mm)
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
4.45 Ohm/1000ft	9 Amps per Conductor at 30°C

Voltage

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

Mechanical Characteristics

Temperature

UL Temperature
90°C Dry, 90°C Wet

Bend Radius

Stationary Min.	Installation Min.
6.108 in (155.1 mm)	6.108 in (155.1 mm)

Max. Pull Tension:	464.1 lbs (210.5 kg)
Bulk Cable Weight:	185 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 402, TC-ER, TFFN

History

Update and Revision:	Revision Number: 0.57 Revision Date: 05-31-2024
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