



Product: [28119AS](#)



TC VN/PVC, 12 C #12 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 12AWG (7x20) 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	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)	Brown, Red, Orange, Yellow, Blue, Black

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	12 AWG (7x20) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.063 in (1.6 mm)	0.676 in (17.2 mm)	Yes

Overall Cable Diameter (Nominal):	0.676 in (17.2 mm)
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
1.7 Ohm/1000ft	15 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.
8.112 in (206.0 mm)	8.112 in (206.0 mm)

Max. Pull Tension:	1041.6 lbs (472.46 kg)
Bulk Cable Weight:	390 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, TC-ER, THWN-2

History

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