



**Product:** [62T1802](#)

TC VN/PVC, 2 Tri #18 Str BC, PVC-NYL Ins E1, IS/OS, Blk PVC Jkt, 600V  
TC-ER 90C Dry/Wet SUN RES DIR BUR

### Product Description

UL Type TC (1277) VN/PVC, 2 Triad 18AWG (7x26) Bare Copper, PVC-NYL Insulation E1 Color Code, Individual & Overall Beldfoil® Shield, Black PVC Outer Jacket, 600V TC-ER 90C Dry/Wet SUN RES DIR BUR

### Technical Specifications

#### Product Overview

Suitable Applications:	Industrial Control, Raceways Cable trays and ducts, Digital Control, Instruments (4-20ma, 0-10v, ...), low voltage digital control (24v, ...), encoders, control circuits, distributed control system (DCS), programmable logic controller (PLC), Solenoids, Valves, Actuators, Positioners
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#### Construction Details

##### Conductor

Element	Size	Stranding	Material
Pair(s)	18 AWG	7x26	BC - Bare Copper

##### Insulation

Material	Nom. Insulation Diameter	Color Code
PVC/Nylon - Polyvinyl Chloride + Nylon	0.087 in (2.2 mm)	Black, White & Red and Numbered 1, Black, White & Red and Numbered 2

##### Inner Shield

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	100%

##### Outer Shield

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	100%

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC/Nylon - Polyvinyl Chloride + Nylon	0.047 in (1.2 mm)	0.473 in (12.0 mm)

#### Electrical Characteristics

##### Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Max. Current
7.06 Ohm/1000ft	0.97 Ohm/1000ft (3.2 Ohm/km)	5.6 Amps per Conductor at 25°C

##### Voltage

UL Voltage Rating
600 V, 150 V (NPLF)

#### Mechanical Characteristics

##### Temperature

UL Temperature	Operating
75°C Wet, 90°C Dry	-30°C To +90°C

Max. Pull Tension:	134.4 lbs (60.96 kg)
Bulk Cable Weight:	97 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Outdoor, Sunlight Resistance, UV Resistance, Burial
Flammability / Reaction to Fire:	UL 1685 UL Loading, FT4, IEEE 1202
NEC / UL Compliance:	TC-ER, NPLF
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: 0.55 Revision Date: 02-03-2025
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## Part Numbers

### Variants

Item #	Putup Type
62T1802 0102500	Reel

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