



Product: [A0318KR](#)

TC VN/PVC, 3 C #18 Str BC, PVC-NYL Ins E2, OS, 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, Overall Beldfoil® Shield, 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	0.020 in (0.51 mm)	0.087 in (2.2 mm)	ICEA Chart E2

##### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.047 in (1.2 mm)	0.286 in	Yes

Overall Cable Diameter (Nominal): 0.286 in

#### Electrical Characteristics

##### Electricals

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

##### Voltage

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

#### Mechanical Characteristics

##### Temperature

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

##### Bend Radius

Stationary Min.	Installation Min.
1.14 in (29.0 mm)	1.43 in

Max. Pull Tension:	79.8 lbs (36.2 kg)
Bulk Cable Weight:	51 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance, Burial
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL 1685 UL Loading, IEEE 1202 FT4
NEC / UL Compliance:	Article 310, 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: 0.59 Revision Date: 02-03-2025
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## Part Numbers

### Variants

Item #	Putup Type
A0318KR 0105000	Reel
A0318KR01010000	Reel
A0318KR01015000	Reel

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