



Product: [28609A](#)

TC VN/PVC, 19 C #18 Str BC, PVC-NYL Ins E2, Blk PVC Jkt, 600V TC-ER
150V NPLF 90C Dry/Wet SUN RES DIR BUR

Product Description

UL Type TC (1277) PVC-Nylon/PVC, 19 Conductor 18AWG (7x26) Bare Copper, PVC-NYL Insulation E2 Color Code, 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)	19	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)	Black, Red, Blue, Orange, Yellow, Brown, Red/Black, Blue/Black, Orange/Black, Yellow/Black, Brown/Black, Black/Red, Blue/Red, Orange/Red, Yellow/Red, Brown/Red, Black/Blue, Red/Blue, Orange/Blue

Outer Shield

Material
No Shield

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.063 in (1.6 mm)	0.566 in (14.4 mm)	Yes

Overall Cable Diameter (Nominal):	0.566 in (14.4 mm)
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Electrical Characteristics

Electricals	
Nom. Conductor DCR	Max. Current
7.06 Ohm/1000ft	24 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	Wet/Dry: -30°C to 90°C

Bend Radius	
Stationary Min.	Installation Min.

2.264 in (57.51 mm)	2.83 in (71.9 mm)
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Max. Pull Tension:	425.6 lbs (193.0 kg)
Bulk Cable Weight:	203 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL 1685 UL Loading, IEEE 1202 FT4
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 760, Article 336, Article 402, NPLF, TC, TFFN
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.515 Revision Date: 04-14-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
28609A 01010000		Reel			
28609A 01010000		Reel			
28609A 0105000	Black	Reel	5,000 ft	612825136200	C Z

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