



Product: [27643A](#)

TC VN/PVC, 2 C #10 Str BC, PVC-NYL Ins E2, Blk PVC Jkt, 600V TC 90C Dry/Wet SUN RES DIR BUR

Product Description

UL Type TC (1277) PVC-Nylon/PVC, 2 Conductor 10AWG (7x18H) Bare Copper, PVC-NYL Insulation E2 Color Code, Black PVC Outer Jacket, 600V TC 90C Dry 90C 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	Number of Element	Size	Stranding	Material
Conductor(s)	2	10 AWG	7x18	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.024 in (0.61 mm)	0.164 in (4.17 mm)	Black, Red

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.047 in (1.2 mm)	0.422 in	Yes

Overall Cable Diameter (Nominal):	0.426 in
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
1.06 Ohm/1000ft	40 Amps per Conductor at 30°C

Voltage

UL Voltage Rating
600 V

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.
1.704 in (43.28 mm)	2.13 in

Max. Pull Tension:	296 lbs (134 kg)
Bulk Cable Weight:	113 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL1685 UL Loading, IEEE 1202 FT4
NEC / UL Compliance:	Article 336, TC, 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)
Other Standard Compliance(s):	ICEA S-73-532, S-95-658, S-61-402

Product Notes

Notes:	Twisted conductors
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History

Update and Revision:	Revision Number: 0.346 Revision Date: 07-01-2022
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Part Numbers

Variants

Item #	Putup Type	UPC
27643A 0105000	Reel	612825329756
27643A 0105000	Reel	612825329756

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