



Product: [A02064R](#)

TC VN/PVC, 2 C #6 Str BC, PVC-NYL Ins M4, Blk PVC Jkt, 600V TC 90C
Dry/Wet SUN RES DIR BUR

Product Description

UL Type TC (1277) PVC-Nylon/PVC, 2 Conductor 6AWG (Class B) Bare Copper, PVC-NYL Insulation M4 Color Code, Black PVC Outer Jacket, 600V TC 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)	2	6 AWG	7x14	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.038 in (0.97 mm)	0.254 in mm	Black and Numbered

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.063 in (1.6 mm)	0.634 in	Yes

Overall Cable Diameter (Nominal):	0.634 in
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Max. Current
0.419 Ohm/1000ft	12.5 pF/ft (41.0 pF/m)	98 pF/ft (320 pF/m)	100 Ohm	75 Amps per Conductor at 30°C

Voltage

UL Voltage Rating
600 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
90°C Dry, 90°C Wet	-40°C To +80°C

Bend Radius

Stationary Min.	Installation Min.
2.536 in (64.41 mm)	3.17 in

Max. Pull Tension:	695.8 lbs (315.6 kg)
Bulk Cable Weight:	328 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance, Burial
Sustainability:	CA Prop 65
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)

History

Update and Revision:	Revision Number: 0.75 Revision Date: 02-15-2024
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Part Numbers

Variants

Item #	Putup Type
A02064R 0105000	Reel

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