



Product: [A03064B](#)

TC VN/PVC, 3+G C #6+8 Str BC, PVC-NYL Ins M4, Blk PVC Jkt, 600V
TC-ER 90C Dry/Wet SUN RES DIR BUR

Product Description
UL Type TC (1277) PVC-Nylon/PVC, 3+G Conductor 6+8AWG (Class B) Bare Copper, PVC-NYL Insulation M4 Color Code, 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	1 AWG	7x14	BC - Bare Copper
Ground Wire	1	8 AWG	7x16	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
Ground Wire	No Insulation			

Outer Shield

Material
No Shield

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.063 in (1.6 mm)	0.683 in (17.3 mm)	Yes

Overall Cable Diameter (Nominal):	0.683 in (17.3 mm)
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Electrical Characteristics

Electricals		
Element	Nom. Conductor DCR	Max. Current
Conductor(s)	0.419 Ohm/1000ft	75 Amps per Conductor at 30°C
Ground Wire	0.68 Ohm/1000ft (2.2 Ohm/km)	

Voltage
UL Voltage Rating
600 V

Mechanical Characteristics

Temperature	
UL Temperature	Operating
90°C Dry, 90°C Wet	-25°C To +90°C

Bend Radius

Stationary Min.	Installation Min.
2.732 in (69.39 mm)	3.415 in (86.74 mm)

Max. Pull Tension:	3378.8 lbs (1532.6 kg)
Bulk Cable Weight:	424lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL 1685 UL Loading, IEEE 1202 FT4
NEC / UL Compliance:	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)

History

Update and Revision:	Revision Number: 0.70 Revision Date: 03-27-2024
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Part Numbers

Variants

Item #	Putup Type
A03064B 0102500	Reel
A03064B 0105000	Reel
A03064B01010000	Reel

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