



Product: [A03084B](#)

TC VN/PVC, 3+G C #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 8AWG (7x16) 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	7x16	BC - Bare Copper
Ground Wire	1	10 AWG	7x18	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)	0.218 in mm	Black and Numbered
Ground Wire	No Insulation			

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.063 in (1.6 mm)	0.596 in	Yes

Overall Cable Diameter (Nominal):	0.596 in
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	0.666 Ohm/1000ft	55 Amps per Conductor at 30°C
Ground Wire	1.08 Ohm/1000ft (3.54 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.
2.384 in (60.55 mm)	2.98 in

Max. Pull Tension:	3287.2 lbs (1491.0 kg)
Bulk Cable Weight:	292lbs/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: 0.64 Revision Date: 12-22-2023
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Part Numbers

Variants

Item #	Putup Type
A03084B 0105000	Reel
A03084B01010000	Reel

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