



Product: [P03044B](#)

TC EPR(EPCV)/CPE, 3+G C #4+8 Str TC, EPR(EPCV) Ins M4, Blk CPE Jkt, 600V TC-ER 90C Dry/Wet SUN RES DIR BUR

### Product Description

UL Type TC (1277) EPR(EPCV)/CPE, 3+G Conductor 4+8AWG (Class B) Tinned Copper, EPR(EPCV) Insulation M4 Color Code, Black CPE Outer Jacket, 600V TC-ER 90C Dry/Wet SUN RES DIR BUR

### Technical Specifications

#### Product Overview

Suitable Applications:	Power and Control Applications up to 1000V
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#### Construction Details

##### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	3	4 AWG	7x12	TC - Tinned Copper
Ground Wire	1	8 AWG	7x16	TC - Tinned Copper

##### Insulation

Element	Separator	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	Conductor(s)	EPR or EPCV - Ethylene Propylene Rubber	0.047 in (1.2 mm)	0.325 in (8.26 mm)	Black and Numbered
Ground Wire		No Insulation			

##### Inner Shield

<b>Shield Type</b>
No Shield

##### Outer Shield

<b>Shield Type</b>
No Shield

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
CPE - Chlorinated Polyethylene	0.063 in (1.6 mm)	0.826 in	Yes

Overall Cable Diameter (Nominal):	0.826 in
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#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	0.26 Ohm/1000ft	95 Amps per Conductor at 30°C
Ground Wire	0.693 Ohm/1000ft (2.27 Ohm/km)	55 Amps per Conductor at 30°C

##### Voltage

<b>UL Voltage Rating</b>
600 V (TC)

#### 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.
3.304 in (83.92 mm)	4.13 in

Max. Pull Tension:	1877.4 lbs (851.57 kg)
Bulk Cable Weight:	595 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL1685 UL Loading, IEEE 1202 FT4
NEC / UL Compliance:	Article 336, TC-ER, XHHW-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: 0.60 Revision Date: 05-31-2024
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## Part Numbers

### Variants

Item #	Putup Type
P03044B 0105000	Reel

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