



**Product:** [P03124J](#)

TC EPR(EPCV)/CPE, 3+G C #12+12 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 12+12AWG (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	12 AWG	7x20	TC - Tinned Copper
Ground Wire	1	12 AWG	7x20	TC - Tinned Copper

#### Insulation

Element	Separator	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	Conductor(s)	XLPE - Cross Linked Polyethylene	0.032 in (0.81 mm)	0.163 in (4.14 mm)	Black and Numbered
Ground Wire		XLPE - Cross Linked Polyethylene	0.032 in (0.81 mm)	0.163 in (4.14 mm)	Green

#### 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	0.047 in (1.2 mm)	0.473 in	Yes

Overall Cable Diameter (Nominal):	0.473 in
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	1.68 Ohm/1000ft	30 Amps per Conductor at 30°C
Ground Wire	1.75 Ohm/1000ft (5.74 Ohm/km)	30 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.
1.892 in (48.06 mm)	2.365 in

Max. Pull Tension:	347 lbs (157 kg)
Bulk Cable Weight:	152 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance
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: 0.63 Revision Date: 02-03-2025
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## Part Numbers

### Variants

Item #	Putup Type
P03124J 0105000	Reel

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