



Product: [P03024BF](#) 

TC-ER EPCV/CPE, 2+G C #2+6 Str BC, EPCV Ins , Blk CPE Jkt, 600V
TC-ER 90C Dry/Wet SUN RES DIR BUR,OIL RES I/II,FT4

Product Description

TYPE TC-ER: 3 CONDUCTORS - 2(7X) AWG TINNED CU CONDUCTORS WITH EPR(EPCV) VW-1 INSULATION, 6(7X) AWG TINNED COPPER GROUND, FR FILLER REQUIRED, CPE JACKET.

Technical Specifications

Product Overview

Suitable Applications:	Power and Control Applications up to 600V Class 1 Division 2 Hazardous Locations; Recommended Cable
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Construction Details

Conductor

Element	No. of Elements	Size	Material
Conductor(s)	2	2 AWG	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
EPR or EPCV - Ethylene Propylene Rubber	0.046 in (1.2 mm)	0.375 in (9.53 mm)	Black, white

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
CPE - Chlorinated Polyethylene (Thermoset)	0.083 in (2.1 mm)	0.972 in (24.7 mm)	Yes

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	0.16 ohms/1000ft	130 Amps per Conductor at 30°C

Voltage

UL Voltage Rating
(TC-ER)

Mechanical Characteristics

Temperature

UL Temperature	Operating
90°C Dry, 90°C Wet	Wet/Dry: -30°C to 90°C

Bend Radius

Installation Min.
9.9 in (250 mm)

Max. Pull Tension:	1857 lbs (842.3 kg)
Bulk Cable Weight:	904 lbs/1000ft (1350 kg/km)

Standards and Compliance

Environmental Suitability:	Outdoor, Sunlight Resistance
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Flammability / Reaction to Fire:	UL 1685 UL loading
NEC / UL Compliance:	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: 0.3 Revision Date: 10-07-2026
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