



Product: [P03084BF](#) 

TC-ER EPR(EPCV)/CPE, 3+G C #8+10 Str BC, EPCV Ins , Blk CPE Jkt, 600/1000V TC-ER 90C Dry/Wet SUN RES DIR BUR,OIL RES I/II,FT4

Product Description

TYPE TC-ER: 3 CONDUCTORS - 8 AWG TINNED CU CONDUCTORS WITH EPR(EPCV) VW-1 INSULATION, 10 AWG TINNED COPPER GROUND, FR FILLER REQUIRED, CPE JACKET.

Technical Specifications

Product Overview

Suitable Applications:	Power and Control Applications up to 600/1000V Class 1 Division 2 Hazardous Locations; Recommended Cable
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Physical Characteristics (Overall)

Conductor

Element	AWG	Material	No. of Conductors
Conductor(s)	8	BC - Bare Copper	3
	10		1

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
EPR or EPCV - Ethylene Propylene Rubber	0.234 in	0.046 in
No Insulation		

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
CPE - Chlorinated Polyethylene	0.628 in	0.063 in	Yes

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
0.64 Ohm/1000ft

Current

Max. Recommended Current [A]
55 Amps per Conductor at 30°C

Voltage

UL Description	Voltage Rating [V]
TC-ER	600/1000 V (Type TC-ER)

Temperature Range

UL Temperature Rating:	90°C Dry, 90°C Wet
Operating Temperature Range:	Wet/Dry: -40°C to 90°C
Dry Temp Range:	-30°C To +90 °C

Mechanical Characteristics

Bulk Cable Weight:	297 lbs/1000ft
Maximum Recommended Pulling Tension:	297 lbs

Minimum Bend Radius During Installation:	2.5 in
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Standards

NEC/(UL) Compliance:	TC-ER, XHHW-2
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Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

Suitability

Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Oil Resistance:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL 1685 UL loading
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History

Update and Revision:	Revision Number: 0.5 Revision Date: 10-08-2026
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