



Product: [C03104J](#)

TC-ER XLPE/PVC, 3+G C #10 Str BC, 1 C #10 Str BC Ground, XLPE Ins M4, XLPE Ins Green, Blk PVC Jkt, 600V TC-ER 90C Dry/Wet SUN RES DIR BUR

Product Description

UL Type TC-ER (1277) XLPE/PVC, 3+G Conductor 10 AWG (7x18) Bare Copper, 1 Conductor 10 AWG (7x18) Ground, XLPE Insulation M4 Color Code, Green Ground, Black PVC Outer Jacket, 600V TC 90C Dry/Wet SUN RES DIR BUR

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
10	7x18	BC - Bare Copper	3
10		BC - Bare Copper	1

Conductor Count: 3

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
XLPE, XLPO, XLPE (Thermoset)	0.174 in	0.031 in
XLPE, XLPO, XLPE (Thermoset)		

Color Chart

Number	Color
1	Black and Numbered 1
2	Black and Numbered 2
3	Black and Numbered 3

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.514 in	0.047 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
1.04 Ohm/1000ft

Current

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

Voltage

Description	UL Description	UL Voltage Rating	Voltage Rating [V]
Type TC	TC	600 V RMS	600 V RMS

Temperature Range

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

Wet Temp Range:	-30°C To +90 °C
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Mechanical Characteristics

UV Resistance:	Yes
Bulk Cable Weight:	215 lbs/1000ft
Max. Pull Tension:	249 lbs
Min Bend Radius/Minor Axis:	2.06 in

Standards

NEC/(UL) Compliance:	TC-ER, XHHW-2 Singles
Other Compliance:	ICEA S-73-532, ICEA S-66-524

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 II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	Yes
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01

Suitability

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

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL 1685 UL Loading
CSA Flammability:	FT4
IEEE Flammability:	1202
UL voltage rating:	600 V RMS (Type TC)

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Putup Type
C03104J01010000	Reel
C03104J01020000	Reel

History

Update and Revision:	Revision Number: 0.33 Revision Date: 02-16-2021
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