



**Product:** [C04064C](#)

TC-ER XLPE/PVC, 4+G C #6 Str BC, XLPE Ins, M4, #8 Str BC Grnd, Blk PVC Jkt, 600V TC 90C Dry/Wet SUN RES DIR BUR

## Product Description

UL Type TC-ER (1277) XLPE/PVC, 4+G Conductor 6 AWG (7x14) Bare Copper, XLPE Insulation, M4 Color Code, 1 8 AWG (7x16) Bare Copper Ground Wire, Black PVC Outer Jacket, 600V TC-ER 90C Dry/Wet SUN RES DIR BUR

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
6	7x14.5	BC - Bare Copper	4
8		BC - Bare Copper	1

Conductor Count:	4
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#### Insulation

Material	Nominal Diameter	Nominal Wall Thickness
XLP, XLPO, XLPE (Thermoset)	0.272 in	0.0465 in
No Insulation		

#### Color Chart

Number	Color
Conductors 1 - 4	ICEA S-73-732 Table M4: Black and Numbered

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.785 in	0.063 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
.41 Ohm/1000ft

#### Current

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

#### Voltage

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

### Temperature Range

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

## Mechanical Characteristics

Bulk Cable Weight:	539 lbs/1000ft
Max. Pull Tension:	1056 lbs
Min Bend Radius/Minor Axis:	3.14 in

## 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 II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01

## Suitability

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

## Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
CSA Flammability:	FT4
IEEE Flammability:	1202
UL voltage rating:	600 V RMS (Type TC)

## Part Number

### Variants

Item #	Putup Type
C04064C 0102500	Reel
C04604C 0102500	Reel

## History

Update and Revision:	Revision Number: 0.34 Revision Date: 02-16-2021
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