



**Product:** [28627C](#)

TC XLPE/PVC, 37 C #16 Str BC, XLPE Ins E2, Blk PVC Jkt, 600V TC-ER 90C Dry/Wet SUN RES DIR BUR

**Product Description**

UL Type TC (1277) XLPE/PVC, 37 Conductor 16AWG (7x24) Bare Copper, XLPE Insulation E2 Color Code, Black PVC Outer Jacket, 600V TC-ER 90C Dry/Wet SUN RES DIR BUR

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	16	7x24	BC - Bare Copper	37

Conductor Count:	37
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**Insulation**

Material	Nominal Diameter
XLP, XLPO, XLPE (Thermoset)	0.118 in

**Color Chart**

Number	Color
1	Black and Numbered 1
2	Red and Numbered 2
3	Blue and Numbered 3
4	Orange and Numbered 4
5	Yellow and Numbered 5
6	Brown and Numbered 6
7	Red/Black and Numbered 7
8	Blue/Black and Numbered 8
9	Orange/Black and Numbered 9
10	Yellow/Black and Numbered 10
11	Brown/Black and Numbered 11
12	Black/Red and Numbered 12
13	Blue/Red and Numbered 13
14	Orange/Red and Numbered 14
15	Yellow/Red and Numbered 15
16	Brown/Red and Numbered 16
17	Black/Blue and Numbered 17
18	Red/Blue and Numbered 18
19	Orange/Blue and Numbered 19
20	Yellow/Blue and Numbered 20
21	Brown/Blue and Numbered 21
22	Black/Orange and Numbered 22
23	Red/Orange and Numbered 23
24	Blue/Orange and Numbered 24
25	Yellow/Orange and Numbered 25
26	Brown/Orange and Numbered 26
27	Black/Yellow Numbered 27

28	Red/Yellow and Numbered 28
29	Blue/Yellow and Numbered 29
30	Orange/Yellow and Numbered 30
31	Brown/Orange and Numbered 31
32	Black/Brown and Numbered 32
33	Red/Brown and Numbered 33
34	Blue/Brown and Numbered 34
35	Orange/Brown and Numbered 35
36	Yellow/Brown and Numbered 36
37	Black and Numbered 37

#### Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.992 in	0.083 in

## Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
4.2 Ohm/1000ft

#### Current

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

#### Voltage

Description	UL Description	UL Voltage Rating	Voltage Rating [V]
Type TC-ER	TC-ER	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
Dry Temp Range:	-30°C To +90 °C

## Mechanical Characteristics

UV Resistance:	Yes
Bulk Cable Weight:	631 lbs/1000ft
Max. Pull Tension:	747 lbs
Min. Bend Radius/Minor Axis:	3.97 in

## Standards

NEC/(UL) Compliance:	TC-ER, XHHW-2
Other Standards:	ICEA S-73-532, S-95-658, S-61-524

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	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:	Yes
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:	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 #	Put-Up Type
28627C 0102500	Reel

**History**

Update and Revision:	Revision Number: 0.38 Revision Date: 08-27-2021
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