




Product: [28626C](#) 

TC XLPE/PVC, 30 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, 30 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

AWG	Stranding	Material	No. of Conductors
16	7x24	BC - Bare Copper	30

Conductor Count:	30
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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

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.922 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:	527 lbs/1000ft
Max. Pull Tension:	606 lbs
Min Bend Radius/Minor Axis:	3.69 in

Standards

NEC/(UL) Compliance:	TC-ER, XHHW-2
Other Compliance:	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 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):	2005-04-01

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
28626C 0102500	Reel

History

Update and Revision:	Revision Number: 0.31 Revision Date: 02-16-2021
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