



Product: [28330C](#)

TC XLPE/PVC, 16 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, 16 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	Nominal Diameter	No. of Conductors
Conductor(s)	16	7x24	BC - Bare Copper	0.0571 in	16

Conductor Count:	16
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Insulation

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

Color Chart

Number	Color
ICEA S-73-732 Table E2	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

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.681 in	0.063 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
4.2 Ohm/1000ft

Current

Max. Recommended Current [A]

4 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:	285 lbs/1000ft
Max. Pull Tension:	323 lbs
Min. Bend Radius/Minor Axis:	2.72 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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History

Update and Revision:	Revision Number: 0.43 Revision Date: 08-27-2021
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