



Product: [C03044C](#)

TC XLPE/PVC, 3+G C #4+8 Str BC, XLPE Ins M4, Blk PVC Jkt, 600V TC-ER 90C Dry/Wet SUN RES DIR BUR

Product Description

UL Type TC (1277) XLPE/PVC, 3+G Conductor 4+8AWG (Class B) Bare Copper, XLPE Insulation M4 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
4	7x12	BC - Bare Copper	3
8		BC - Bare Copper	1

Conductor Count: 3

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
XLPE, XLPO, XLPE (Thermoset)	0.319 in	0.047 in
No Insulation		

Color Chart

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

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.816 in	0.063 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
2.6 Ohm/1000ft

Current

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

Voltage

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

Mechanical Characteristics

UV Resistance:	Yes
Bulk Cable Weight:	602 lbs/1000ft
Max. Pull Tension:	1002 lbs
Min Bend Radius (Overall):	8.16 in
Min Bend Radius/Minor Axis:	3.26 in

Standards

NEC/(UL) Compliance:	TC-ER, XHHW-2
Other Compliance:	ICEA S-73-532, S-95-658, S-61-402

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:	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 Vertical Tray Flame Test
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: 0.34 Revision Date: 06-24-2020
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