



Product: [28140CC](#)

TC XLPE/PVC, 4 C #10 Str BC, XLPE Ins E2, LCS, Blk PVC Jkt, 600V TC-ER 90C Dry/Wet SUN RES DIR BUR

Product Description

UL Type TC (1277) XLPE/PVC, 4 Conductor 10AWG (Class B) Bare Copper, XLPE Insulation E2 Color Code, Longitudinal Corrugated Copper Tape, Black PVC Outer Jacket, 600V TC-ER 90C Dry/Wet SUN RES DIR BUR

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
10	7x18	BC - Bare Copper	0.113 in	4

Conductor Count:	4
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Insulation

Material	Nominal Diameter	Nominal Wall Thickness
XLP, XLPO, XLPE (Thermoset)	0.174 in	0.031 in

Color Chart

Number	Color
1	Black
2	Red
3	Blue
4	Orange

Outer Shield Material

Type	Description	Material	Material Trade Name	Coverage [%]
Corrugated Tape	.005"	Bare Copper (BC)	Belclad®	100%

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.616 in	0.063 in

Construction and Dimensions

Cabling

Filler
PP Filler

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
1.04 Ohm/1000ft

Voltage

UL Description	UL Voltage Rating	Voltage Rating [V]
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

Bulk Cable Weight:	332 lbs/1000ft
Max. Pull Tension:	332 lbs
Min Bend Radius (Overall):	6.25 in

Standards

NEC Articles:	Article 336
NEC/(UL) Compliance:	TC-ER, XHHW-2
IEEE Compliance:	1202

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
CA Prop 65:	Yes

Suitability

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

Flammability, LS0H, Toxicity Testing

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
28140CC 0105000	Reel

History

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