



**Product:** [27082DS](#)

TC XLPE/PVC, 4 C #14 Str TC, XLPE Ins E2, OS, Blk PVC Jkt, 600V TC 90C Dry/Wet SUN RES DIR BUR

**Product Description**

UL Type TC (1277) XLPE/PVC, 4 Conductor 14AWG (7x22) Tinned Copper, XLPE Insulation E2 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, 600V TC 90C Dry/Wet SUN RES DIR BUR

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
14	7x22	TC - Tinned Copper	0.071 in	4

Conductor Count:	4
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**Insulation**

Material	Nominal Diameter	Nominal Wall Thickness
XLPE, XLPO, XLPE (Thermoset)	0.132 in	0.031 in

**Color Chart**

Number	Color
ICEA METHOD 1, TABLE E2	Black
2	Red
3	Blue
4	Orange

**Outer Shield Material**

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	0.071 in	14

**Outer Jacket Material**

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.416 in	0.047 in

**Construction and Dimensions**

**Cabling**

Filler
PP Filler

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR
2.52 Ohm/1000ft

**Current**

Max. Recommended Current [A]

20 Amps per Conductor at 30°C

## Voltage

UL Description	UL Voltage Rating	Voltage Rating [V]
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

Bulk Cable Weight:	160 lbs/1000ft
Min Bend Radius (Overall):	4.25 in

## Standards

NEC Articles:	Article 336
NEC/(UL) Compliance:	TC, 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)

## Part Number

### Variants

Item #	Putup Type
27082DS 0102500	Reel

## History

Update and Revision:	Revision Number: 0.39 Revision Date: 09-30-2020
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