



Product: [27083Q](#)

TC XLPE/CPE, 5 C #14 Str BC, XLPE Ins E2, Blk CPE Jkt, 600V TC 90C Dry/Wet SUN RES

Product Description

UL Type TC (1277) XLPE/CPE, 5 Conductor 14AWG (7x22) Bare Copper, XLPE Insulation E2 Color Code, Black CPE Outer Jacket, 600V TC 90C Dry/Wet SUN RES

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Conductors |
|-----|-----------|------------------|------------------|-------------------|
| 14 | 7x22 | BC - Bare Copper | 0.0703 in | 5 |

| | |
|------------------|---|
| Conductor Count: | 5 |
|------------------|---|

Insulation

| Material | Nominal Diameter | Nominal Wall Thickness |
|------------------------------|------------------|------------------------|
| XLPE, XLPO, XLPE (Thermoset) | 0.132 in | 0.0305 in |

Color Chart

| Number |
|------------------------|
| ICEA S-73-732 Table E2 |

Outer Jacket Material

| Material | Nominal Diameter |
|--------------------------------|------------------|
| CPE - Chlorinated Polyethylene | 0.45 in |

Electrical Characteristics

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° |
| Wet Temp Range: | -30°C To +90 °C |

Mechanical Characteristics

| | |
|-----------------------------|---------|
| Min Bend Radius/Minor Axis: | 1.80 in |
|-----------------------------|---------|

Standards

| | |
|----------------------|------------|
| NEC/(UL) Compliance: | TC, XHHW-2 |
|----------------------|------------|

Suitability

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

Flammability, LS0H, Toxicity Testing

| | |
|--------------------|---------------------|
| UL voltage rating: | 600 V RMS (Type TC) |
|--------------------|---------------------|

History

| | |
|----------------------|---|
| Update and Revision: | Revision Number: 0.78 Revision Date: 06-24-2020 |
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