



Product: [C04084B](#)

TC XLPE/PVC, 4+G C #8+10 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, 4+G Conductor 8+10AWG (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 |
|-----|-----------|------------------|-------------------|
| 8 | 7x16.5 | BC - Bare Copper | 4 |
| 10 | | BC - Bare Copper | 1 |

Conductor Count: 4

Insulation

| Material | Nominal Diameter | Nominal Wall Thickness |
|-----------------------------|------------------|------------------------|
| XLP, XLPO, XLPE (Thermoset) | 0.234 in | 0.046 in |
| No Insulation | | |

Color Chart

| Number | Color |
|--------|----------------------|
| 1 | Black and Numbered 1 |
| 2 | Black and Numbered 2 |
| 3 | Black and Numbered 3 |
| 4 | Black and Numbered 4 |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.693 in | 0.063 in |
| | 0.696 in | |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 0.64 Ohm/1000ft |

Current

| Max. Recommended Current [A] |
|-------------------------------|
| 44 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: | 317 lbs/1000ft |
| Max. Pull Tension: | 532 lbs |
| Min Bend Radius (Overall): | 6.96 in |
| Min Bend Radius/Minor Axis: | 2.77 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: | 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 |
|---------------|----|

Part Number

Variants

| Item # | Putup Type |
|-----------------|------------|
| C04084B 0105000 | Reel |
| C04084B 0105000 | Reel |

History

| | |
|----------------------|---|
| Update and Revision: | Revision Number: 0.33 Revision Date: 06-24-2020 |
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