



Part Number: 8477

Electronic, 2 C #12 Str TC, PVC Ins, PVC Jkt, CL3R

[Request Sample](#)

Product Description

Electronic, 2 Conductor 12AWG (65x30) Tinned Copper, PVC Insulation, PVC Outer Jacket, CL3R

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Pairs |
|-----|-----------|--------------------|--------------|
| 12 | 65x30 | TC - Tinned Copper | 1 |

| | |
|------------------------|--------|
| Conductor Count: | 2 |
| Total Number of Pairs: | 1 |
| Conductor Size: | 12 AWG |

Insulation

| Material | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.0325 in |

Color Chart

| Number | Color |
|--------|---------------|
| 1 | Black & White |

Outer Shield Material

| Material |
|------------|
| Unshielded |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.386 in | 0.035 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 1.8 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor |
|-----------------------------------------|
| 35 pF/ft |

Inductance

| Nominal Inductance |
|--------------------|
| 0.18 μ H/ft |

Current

| Max. Recommended Current [A] |
|------------------------------|
| 13 Amps per conductor @ 25°C |

Voltage

| UL Description | UL Voltage Rating |
|-------------------|-------------------|
| CL3R | 300 V RMS |
| UL AWM Style 2587 | 600 V RMS |

Temperature Range

| | |
|-----------------------|--------------------------|
| UL Temp Rating: | 90°C (UL AWM Style 2587) |
| Operating Temp Range: | -20°C To +90°C |

Mechanical Characteristics

| | |
|----------------------------------|---------------|
| Bulk Cable Weight: | 80 lbs/1000ft |
| Max Recommended Pulling Tension: | 150 lbs |
| Min Bend Radius/Minor Axis: | 4 in |

Standards

| | |
|-------------------------|----------------------------|
| NEC Articles: | 800 |
| NEC/(UL) Specification: | CL3R |
| UL AWM Style: | UL Style 2587 (600 V 90°C) |
| CPR Euroclass: | Eca |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/96/EC (BFR): | 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 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Flammability, LS0H, Toxicity Testing

| | |
|-----------------------|-----------------------|
| UL Flammability: | UL1666 Vertical Shaft |
| ISO/IEC Flammability: | IEC 60332-1-2 |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Part Number

Variants

| Item # | Color | UPC | Length | Footnote |
|--------------|--------|--------------|----------|----------|
| 8477 0601000 | Chrome | 612825208655 | 1,000 ft | C |
| 8477 060500 | Chrome | 612825208662 | 500 ft | C |
| 8477 0605000 | Chrome | 612825208679 | 5,000 ft | C Z |
| 8477 060U500 | Chrome | 612825208648 | 500 ft | |

| | |
|-----------|------------------------------------------------------------------------------------------------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
| Footnote: | Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN. |

Product Notes

| | |
|--------|--------------------------------------------------------|
| Notes: | See NEC Guidelines for applicable CL3 voltage ratings. |
|--------|--------------------------------------------------------|

History

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|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.278 Revision Date: 07-11-2019 |
|----------------------|--------------------------------------------------|

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