



**Product:** [8477](#) 

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

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## Product Description

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

## Technical Specifications

### Product Overview

|                        |                                                                                                               |
|------------------------|---------------------------------------------------------------------------------------------------------------|
| Suitable Applications: | up to 600V analog signals ; up to 600V digital control ; line level audio; voice communications; panel wiring |
|------------------------|---------------------------------------------------------------------------------------------------------------|

### Construction Details

#### Conductor

| Element | No. of Elements | Size   | Stranding | Material           |
|---------|-----------------|--------|-----------|--------------------|
| Pair(s) | 1               | 12 AWG | 65x30     | TC - Tinned Copper |

#### Insulation

| Element | Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code    |
|---------|--------------------------|--------------------|--------------------------|---------------|
| Pair(s) | PVC - Polyvinyl Chloride | 0.033 in (0.84 mm) | 0.158 in (4.01 mm)       | Black & White |

#### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.035 in (0.89 mm) | 0.386 in (9.80 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.386 in (9.80 mm) |
|-----------------------------------|--------------------|

### Electrical Characteristics

#### Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Inductance        | Max. Current                  |
|---------|--------------------|-------------------------------|------------------------|-------------------------------|
| Pair(s) | 1.78 Ohm/1000ft    | 35 pF/ft (110 pF/m)           | 0.18 µH/ft (0.59 µH/m) | 30 Amps per Conductor at 30°C |

#### Voltage

| UL Voltage Rating                 |
|-----------------------------------|
| 600 V (CL3R), 600 V (UL AWM 2587) |

### Mechanical Characteristics

#### Temperature

| UL Temperature | Operating      |
|----------------|----------------|
| 90°C           | -20°C to +90°C |

#### Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 3.9 in (99 mm)  | 3.9 in (99 mm)    |

|                    |                   |
|--------------------|-------------------|
| Max. Pull Tension: | 169 lbs (76.7 kg) |
| Bulk Cable Weight: | 79 lbs/1000ft     |

### Standards and Compliance

|                            |        |
|----------------------------|--------|
| Environmental Suitability: | Indoor |
|----------------------------|--------|

|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Sustainability:                  | CA Prop 65                                                                                                                |
| Flammability / Reaction to Fire: | UL 1666 Riser, IEC 60332-1-2                                                                                              |
| CPR Compliance:                  | CPR Euroclass: Eca                                                                                                        |
| NEC / UL Compliance:             | Article 725, CL3R                                                                                                         |
| AWM Compliance:                  | AWM 2587                                                                                                                  |
| European Directive Compliance:   | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| UK Regulation Compliance:        | UKCA Mark                                                                                                                 |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)                                                                                           |

Product Notes

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

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.520 Revision Date: 02-20-2026 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

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

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

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