



REPRESENTATIVE IMAGE

**Product:** [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

### Product Overview

Suitable Applications:	up to 600V analog signals ; up to 600V digital control ; line level audio; voice communications; panel wiring
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### Construction Details

#### Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	1	12 AWG	65x30	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.033 in (0.84 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)
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Pair(s)	1.8 Ohm/1000ft (5.9 Ohm/km)	35 pF/ft (110 pF/m)	13 Amps per Conductor at 25°C

#### Voltage

UL Voltage Rating
300 V (CL3R), 600 V (UL AWM 2587)

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating
90°C (UL AWM 2587)	-20°C to +90°C

#### Bend Radius

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

Max. Pull Tension:	150 lbs (68 kg)
Bulk Cable Weight:	79 lbs/1000ft (120 kg/km)

### Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL1666 Vertical Shaft, 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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## Product Notes

Notes:	See NEC Guidelines for applicable CL3 voltage ratings.
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## History

Update and Revision:	Revision Number: 0.352 Revision Date: 12-15-2021
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## Part Numbers

### Variants

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

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