



REPRESENTATIVE IMAGE

**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
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### Construction Details

#### Conductor

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

#### Insulation

Element	Material	Thickness	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.033 in (0.84 mm)	Black & White

#### Outer Jacket Material

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

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 Rating	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 / Fire Resistance:	UL1666 Vertical Shaft, IEC 60332-1-2
NEC / UL Compliance:	Article 725, CL3R
AWM Compliance:	2587
CPR Euroclass:	Eca
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: 0.345 Revision Date: 07-02-2021
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