



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	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)
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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
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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.
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History

Update and Revision:	Revision Number: 0.519 Revision Date: 09-07-2025
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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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