



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	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	Max. Current
Pair(s)	1.78 Ohm/1000ft	35 pF/ft (110 pF/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.
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History

Update and Revision:	Revision Number: 0.514 Revision Date: 01-20-2023
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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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