



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

Physical Characteristics (Overall)

Conductor

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

Conductor Count:2

Total Number of Pairs:1

Insulation

Element	Material	Nominal Wall Thickness
Pair(s)	PVC - Polyvinyl Chloride	0.0325 in

Color Chart

Number	Color
1	Black & White

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.386 in	0.035 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
1.8 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
35 pF/ft

Inductance

Nominal Inductance
0.18 µH/ft

Current

Max. Recommended Current [A]
13 Amps per conductor @ 25°C

Voltage

UL Description	UL Voltage Rating
CL3R	300 V RMS
UL AWM Style 2587	600 V RMS

Temperature Range

UL Temp Rating:	90°C (UL AWM Style 2587)
Operating Temp Range:	-20°C To +90°C

Mechanical Characteristics

Bulk Cable Weight:	80 lbs/1000ft
Max Recommended Pulling Tension:	150 lbs
Min Bend Radius/Minor Axis:	4 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CL3R
UL AWM Style:	UL Style 2587 (600 V 90°C)
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1666 Vertical Shaft
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

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

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

Product Notes

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

Update and Revision:	Revision Number: 0.288 Revision Date: 05-11-2020
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