



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
------------------------	---

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)
-----------------------------------	--------------------

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.
--------	--

History

Update and Revision:	Revision Number: 0.515 Revision Date: 03-04-2023
----------------------	--

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

© 2023 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.