



**Part Number: 8477**

Audio/Control/Instrumentation, (1 pr) 12 AWG (65X30) TC, PVC/PVC

## Product Description

One 12 AWG pair stranded (65x30) tinned copper conductors, twisted pair, PVC insulation, PVC jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Pairs
12	65x30	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1
Conductor Size:	12 AWG

#### Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.0325 in

#### Color Chart

Number	Color
1	Black & White

#### Outer Shield Material

Material
Unshielded

#### 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

Shielding:	Unshielded
------------	------------

#### Inductance

Nominal Inductance
0.18 $\mu$ H/ft

#### Current

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

#### Voltage

UL Description	UL Voltage Rating
CL3R	300V 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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Vertical Shaft
UL Voltage Rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

## Part Number

### Variants

Item #	Color	Footnote
8477 0601000	CHROME	C
8477 060500	CHROME	C
8477 0605000	CHROME	C Z
8477 060U500	CHROME	

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.

© 2018 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.