



Part Number: 8477
Audio/Control/Instrumentation, (1 pr) 12 AWG (65X30) TC, PVC/PVC

 [Request Sample](#)

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 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
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
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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.

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