



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.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Pairs
12	65x30	TC - Tinned Copper	1
Total Number of Conductors:			2

Insulation:

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.033 in

Color Chart 1:

Number	Color
1	Black & White

Outershield 1:

Material
Unshielded

Outerjacket 1:

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

Current:

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

Inductance:

Nominal Inductance
0.18 μ H/ft

Voltage:

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

Use

Max Recommended Pulling Tension:	150 lbs
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Safety

UL Flammability:	UL1666 Vertical Shaft
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Temperature Range

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

Mechanical Characteristics

Min Bend Radius/Minor Axis:	4 in
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Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
UL AWM Style:	AWM Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

Notes:	See NEC Guidelines for applicable CL3 voltage ratings.
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Product Variants

Part Number	Color	Put-Up Type	Length
8477 0601000	CHROME	Reel	1000 ft
8477 0605000	CHROME	Reel	5000 ft
8477 060500	CHROME	Reel	500 ft
8477 060U500	CHROME	UnReel	500 ft

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