



Product: [9498](#)



Audio, Control and Instrumentation, 3 Conductor 16 AWG, Unjacketed

Product Description

3 Conductor 16 AWG stranded (19x29) tinned copper conductors, conductors cabled, PVC insulation, cabled wire (no jacket).

Technical Specifications

Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...); line level audio; panel wiring
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
16	19x29	TC - Tinned Copper	0.059 in	3

Conductor Count:	3
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Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.113 in	0.027 in

Color Chart

Number	Color
1	Orange
2	Black
3	Orange w/Black Stripe

Outer Shield

Material
No Shield

Outer Jacket

Nominal Diameter
0.243 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
4.8 Ohm/1000ft

Current

Max. Recommended Current [A]
7.1 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V RMS (UL AWM Style 1007)

Temperature Range

UL Temp Rating:	80°C (UL AWM Style 1007)
Operating Temperature Range:	-40°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	38 lbs/1000ft
Max. Pull Tension:	97 lbs
Min. Bend Radius/Minor Axis:	2.5 in

Standards

UL AWM Style Compliance:	AWM 1007 (300 V 80°C)
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Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

UL Flammability:	VW-1
UL voltage rating:	300 V RMS (UL AWM Style 1007)

Plenum/Non-Plenum

Plenum (Y/N):	No
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Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
9498 0001000	None	Reel	1,000 ft	612825239970

History

Update and Revision:	Revision Number: 0.331 Revision Date: 12-20-2022
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