



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

Physical Characteristics (Overall)

Conductor

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

Conductor Count:	3
------------------	---

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

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

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

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

© 2024 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.