

Product: [8618](#)



Electronic, 3 C #16 Str TC, PE Ins, OS, PVC Jkt, CL3

 [Request Sample](#)

Product Description

Electronic, 3 Conductor 16AWG (19x29) Tinned Copper, PE Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CL3

Technical Specifications

Product Overview

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

Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Conductor(s)	3	16	19x29	TC - Tinned Copper

Insulation

Element	Material	Thickness [in]	Color
Conductor(s)	PE - Polyethylene	0.0315	Black, Red, Clear

Outer Shield Material

Type	Material	Coverage	Drainwire Type
Tape	Alum / Poly	100%	16x30 - TC

Outer Jacket Material

Material	Nominal Wall Thickness	Nominal Diameter
PVC - Polyvinyl Chloride	0.031 in	0.327 in

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Grnd	Max. Current
Conductor(s)	4.8 Ohm/1000ft	26 pF/ft	50 pF/ft	7 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
600 V (UL AWM 20253), 300 V (CL3)

Mechanical Characteristics

Temperature

UL Rating	Operating
80°C (UL AWM 20253)	-20°C to +80°C

Bend Radius

Stationary Min.
3.5 in

Max Recommended Pulling Tension: 110 lbs

Standards and Compliance

Sustainability:	CA Prop 65 (CJ for Wire and Cable)
Flammability / Fire Resistance:	UL1685 UL Loading, IEC 60332-1-2
NEC / UL Compliance:	800, CL3
AWM Compliance:	20253
CPR Eurclass:	Eca
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS 2

History

Update and Revision:	Revision Number: 0.306 Revision Date: 05-29-2020
----------------------	--

© 2020 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 "AS IS" 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.