



Product: [8622](#) 

Electronic, 12 C #16 Str TC, PVC Ins, PVC Jkt

 [Request Sample](#)

Product Description

Electronic, 12 Conductor 16AWG (19x29) Tinned Copper, PVC Insulation, PVC Outer Jacket

Technical Specifications

Product Overview

Suitable Applications:

up to 600V analog signals ; up to 600V control ; line level audio; voice communications; panel wiring

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	16	19x29	TC - Tinned Copper	12
Conductor Count:		12		

Insulation

Element	Material	Nominal Wall Thickness
Conductor(s)	PVC - Polyvinyl Chloride	0.031 in

Color Chart

Number	Color
1	Black
2	White
3	Red
4	Green
5	Orange
6	Blue
7	White/Black
8	Red/Black
9	Green/Black
10	Orange/Black
11	Blue/Black
12	Black/White

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.627 in	0.06 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
4.4 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor

19.5 pF/ft

Current

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

Voltage

Non-UL Voltage Rating
600 V RMS

Temperature Range

UL Temp Rating:	80°C
Operating Temp Range:	-20°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	235 lbs/1000ft
Max Recommended Pulling Tension:	364 lbs
Min Bend Radius/Minor Axis:	6.5 in

Standards

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):	2005-10-01
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL 1581 (VW-1)
CSA Flammability:	FT1
ISO/IEC Flammability:	IEC 60332-1-2

Part Number

Variants

Item #	Color	Putup Type	Length	UPC
8622 060100	Chrome	Reel	100 ft	612825213550
8622 060500	Chrome	Reel	500 ft	612825213581
8622 0601000	Chrome	Reel	1,000 ft	612825213567
8622 0602000	Chrome	Reel	2,000 ft	612825213574

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.

History

Update and Revision:	Revision Number: 0.288 Revision Date: 04-30-2020
----------------------	--

© 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 "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.