



**Product:** [9161](#)

Electronic, 8 Pr #18 Str TC, PVC Ins, PVC Jkt, CMG

[Request Sample](#)

**Product Description**

Electronic, 8 Pair 18AWG (16x30) Tinned Copper, PVC Insulation, PVC Outer Jacket, CMG

**Technical Specifications**

**Product Overview**

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

**Physical Characteristics (Overall)**

**Conductor**

Element	AWG	Stranding	Material	No. of Pairs
Pair(s)	18	16x30	TC - Tinned Copper	8

Conductor Count:	16
Total Number of Pairs:	8

**Insulation**

Element	Material	Nominal Wall Thickness
Pair(s)	PVC - Polyvinyl Chloride	0.013 in

**Color Chart**

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
6	Black & Brown
7	Black & Orange
8	Red & White

**Outer Jacket Material**

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.485 in	0.037 in

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR
5.86 Ohm/1000ft

**Capacitance**

Nom. Capacitance Conductor to Conductor
25.5 pF/ft

**Current**

**Max. Recommended Current [A]**

3.4 Amps per conductor @ 20°C ambient

**Voltage**

UL Description	UL Voltage Rating
CMG	300 V
UL AWM 2464	300 V

**Temperature Range**

UL Temp Rating:	80°C (UL AWM 2464)
Operating Temp Range:	-20°C to +80°C

**Mechanical Characteristics**

Bulk Cable Weight:	142 lbs/1000ft
Max Recommended Pulling Tension:	358 lbs
Min Bend Radius/Minor Axis:	5 in

**Standards**

NEC Articles:	800
NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
UL AWM Style:	2464
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 Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

**Suitability**

Suitability - Indoor:	Yes
-----------------------	-----

**Flammability, LSOH, Toxicity Testing**

UL Flammability:	UL1685 FT4 Loading
CSA Flammability:	FT4
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V

**Plenum/Non-Plenum**

Plenum (Y/N):	No
---------------	----

**Part Number****Variants**

Item #	Color	Putup Type	Length	UPC
9161 060100	Chrome	Reel	100 ft	612825224990
9161 0601000	Chrome	Reel	1,000 ft	612825225003

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

**History**

Update and Revision:	Revision Number: 0.295 Revision Date: 05-27-2020
----------------------	--

© 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.