



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

#### Construction Details

##### Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	8	18 AWG	16x30	TC - Tinned Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.013 in (0.33 mm)	0.073 in (1.9 mm)	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown, Black & Orange, Red & White

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.037 in (0.94 mm)	0.485 in (12.3 mm)

Overall Cable Diameter (Nominal):	0.485 in (12.3 mm)
-----------------------------------	--------------------

#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Pair(s)	7.2 Ohm/1000ft	25.5 pF/ft (83.7 pF/m)	3.5 Amps per Conductor at 20°C

##### Voltage

UL Voltage Rating
300 V (CMG), 300 V (UL AWM 2464)

#### Mechanical Characteristics

##### Temperature

UL Temperature	Operating
80°C	-20°C to +80°C

##### Bend Radius

Stationary Min.	Installation Min.
4.9 in (120 mm)	4.9 in (120 mm)

Max. Pull Tension:	332.8 lbs (151.0 kg)
Bulk Cable Weight:	142 lbs/1000ft

#### Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL 1685 FT4 Loading, FT4
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	AWM 2464
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.489 Revision Date: 12-19-2022
----------------------	--

## Part Numbers

### Variants

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

© 2023 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.