



Product: [8456](#)

Electronic, 10 C #22 Str TC, PVC Ins, PVC Jkt, CMG

[Request Sample](#)

Product Description

Electronic, 10 Conductor 22AWG (7x30) Tinned Copper, PVC Insulation, PVC Outer Jacket, CMG

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

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	22	7x30	TC - Tinned Copper	10

Conductor Count:	10
------------------	----

Insulation

Element	Material	Nominal Wall Thickness
Conductor(s)	PVC - Polyvinyl Chloride	0.011 in

Color Chart

Color
Black
White
Red
Green
Brown
Blue
Orange
Yellow
Purple
Gray

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.264 in	0.032 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
15.6 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
34 pF/ft

Inductance

Nominal Inductance

0.17 µH/ft

Current**Max. Recommended Current [A]**

2.1 Amps per conductor @ 25°C

Voltage**UL Description** **UL Voltage Rating**

CMG 300 V RMS

UL AWM 2576 150 V RMS

Temperature Range

UL Temp Rating: 80°C (UL AWM Style 2576)

Operating Temp Range: -20°C To +80°C

Mechanical Characteristics

Bulk Cable Weight: 41 lbs/1000ft

Max Recommended Pulling Tension: 88 lbs

Min Bend Radius/Minor Axis: 2.75 in

Standards

NEC/(UL) Specification: CMG

CEC/C(UL) Specification: CMG

UL AWM Style: UL Style 2576 (150 V 80°C)

CSA AWM Specification: FT4

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

Flammability, LSOH, Toxicity Testing

UL Flammability: UL1685 FT4 Loading

CSA Flammability: FT4

ISO/IEC Flammability: IEC 60332-1-2

UL voltage rating: 300 V RMS

Plenum/Non-Plenum

Plenum (Y/N): No

Part Number**Variants**

Item #	Color	Putup Type	Length	UPC
8456 060100	Chrome	Reel	100 ft	612825207931
8456 060500	Chrome	Reel	500 ft	612825207955
8456 060U500	Chrome	UnReel	500 ft	612825207924
8456 0601000	Chrome	Reel	1,000 ft	612825207948
8456 060U1000	Chrome	UnReel	1,000 ft	612825207917
8456 0605000	Chrome	Reel	5,000 ft	612825207962

Footnote: C - CRATE REEL PUT-UP.

History

© 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.