



**Part Number: 8445**

Audio/Control/Instrumentation, (5) 22 AWG (7x30) TC, PVC/PVC, CMG

[Request Sample](#)

## Product Description

Five 22 AWG stranded (7x30) tinned copper conductors, conductors cabled, PVC insulation, PVC Jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
22	7x30	TC - Tinned Copper	5

Conductor Count:	5
Conductor Size:	22 AWG

#### Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.011 in

#### Color Chart

Color
Black
White
Red
Green
Brown

#### Outer Shield Material

Material
Unshielded

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.194 in	0.032 in
	0.194 in	

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
15.6 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	
34 pF/ft	
Shielding:	Unshielded

#### Inductance

Nominal Inductance
0.17 $\mu$ H/ft

#### Current

**Max. Recommended Current [A]**

2.4 Amps per conductor @ 25°C

**Voltage**

UL Description	UL Voltage Rating
CMG	300 V RMS
UL AWM Style 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:	24 lbs/1000ft
Max Recommended Pulling Tension:	46 lbs
Min Bend Radius/Minor Axis:	2 in

**Standards**

NEC Articles:	800
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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

**Flammability, LSOH, Toxicity Testing**

UL Flammability:	UL1685 FT4 Loading
CSA Flammability:	FT4
UL voltage rating:	300 V RMS

**Plenum/Non-Plenum**

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

**Part Number****Variants**

Item #	Color	Footnote
8445 060100	Chrome	
8445 0601000	Chrome	C
8445 060500	Chrome	C
8445 0605000	Chrome	
8445 060U1000	Chrome	
8445 060U500	Chrome	

Footnote: C - CRATE REEL PUT-UP.

© 2018 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.