



**Part Number:** 8456

Audio/Control/Instrumentation, (10) 22 AWG (7x30) TC, PVC/PVC, CMG

## Product Description

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

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Conductors
22	7x30	TC - Tinned Copper	10
<b>Total Number of Conductors:</b>			10

#### Insulation:

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.011 in

#### Color Chart 1:

Color
Black
White
Red
Green
Brown
Blue
Orange
Yellow
Purple
Gray

#### Outershield 1:

Material
Unshielded

#### Outerjacket 1:

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

#### Current:

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

#### Inductance:

Nominal Inductance
0.17 µH/ft

#### Voltage:

UL Description	UL Voltage Rating
CMG	300 V RMS
UL AWM 2576	150 V RMS

## Use

Max Recommended Pulling Tension:	88 lbs
----------------------------------	--------

## Safety

CSA Flammability:	FT4
UL Flammability:	UL1685 FT4 Loading

## Temperature Range

Operating Temp Range:	-20°C To +80°C
UL Temp Rating:	80°C (UL AWM Style 2576)

## Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.75 in
-----------------------------	---------

## Part Number

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

## Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification
CSA AWM Specification:	CSA Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
UL AWM Style:	AWM Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

## History

## Product Variants

Part Number	Color	Put-Up Type	Length
8456 0601000	CHROME	Reel	1000 ft
8456 060100	CHROME	Reel	100 ft
8456 0605000	CHROME	Reel	5000 ft
8456 060500	CHROME	Reel	500 ft
8456 060U1000	CHROME	UnReel	1000 ft
8456 060U500	CHROME	UnReel	500 ft

© 2016 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 herein 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 "AS IS" 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 EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure 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. This 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.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.