



Product: [8441](#) 

Audio, Control and Instrumentation Cable, 1 Pr #22 Str TC, 85% TC Braid, PVC Jkt, CMG

Product Description

Audio, Control & Instrumentation Cable, 1 Pair 22 AWG (7 x 30) Tinned Copper, PVC insulation, 85% Tinned Copper Braid Shield, PVC Jacket, CMG

Technical Specifications

Product Overview

Suitable Applications:	Audio/Speaker, Control & Instrumentation
------------------------	--

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	1	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.016 in (0.41 mm)	Black & Red

Outer Shield

Shield Type	Material	Coverage	Drainwire Type	Notes
Braid	Tinned Copper (TC)	85%	22 AWG (19x34) TC	Polyester tape under braid

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.025 in (0.64 mm)	0.194 in (4.93 mm)

Overall Cable Diameter (Nominal):	0.194 in (4.93 mm)
-----------------------------------	--------------------

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Max. Current
Pair(s)	16.3 Ohm/1000ft (53.5 Ohm/km)	49 pF/ft (160 pF/m)	86 pF/ft (280 pF/m)	45 Ohm	2.9 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
300 V (CMG, UL AWM 2095)

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C (UL AWM 2095)	-20°C to +80°C

Bend Radius

Stationary Min.	Installation Min.
1.9 in (48 mm)	1.9 in (48 mm)

Max. Pull Tension:	57 lbs (26 kg)
Bulk Cable Weight:	25 lbs/1000ft (37 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Flammability / Reaction to Fire:	UL1685 (FT4 Loading), FT4, IEEE 1202, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	AMW 2095
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.334 Revision Date: 05-25-2022
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
8441 010100	Black	Reel	100 ft	612825207184
8441 010500	Black	Reel	500 ft	612825207207
8441 010U500	Black	UnReel	500 ft	612825207610
8441 0101000	Black	Reel	1,000 ft	612825207191
8441 010U1000	Black	UnReel	1,000 ft	612825207160
8441 0105000	Black	Reel	5,000 ft	612825207153

© 2022 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.