



Product: [8725](#) 

Audio, Control and Instrumentation Cable, 4 Pr #20 Str TC, Ind. Shielded, PVC Jkt, CM

Product Description

Audio, Control & Instrumentation Cable, 4 Pair 20 AWG (7 x 28) Tinned Copper, PP Insulation, Individually Foil Shielded, PVC Jacket, CM

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)	4	20 AWG	7x28	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	PP - Polypropylene	0.015 in (0.38 mm)	Red & Black, Green & White, White/Red Stripe & White/Black Stripe, White/Green Stripe & White/Yellow Stripe

Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type	Notes
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC	Indiv foil tape w/Shorting fold and polyester tape over each pair

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.030 in (0.76 mm)	0.336 in (8.53 mm)

Cable Diameter (Nominal):	0.336 in (8.53 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)	10.78 Ohm/1000ft (35.37 Ohm/km)	27 pF/ft (89 pF/m)	49 pF/ft (160 pF/m)	56 Ohm	3.9 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
400 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-40°C to +105°C

Bend Radius

Stationary Min.	Installation Min.
4.0 in (100 mm)	4.0 in (100 mm)

Max. Pull Tension:	112 lbs
Bulk Cable Weight:	69 lbs/1000ft (100 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Flammability / Reaction to Fire:	VW-1
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: 0.338 Revision Date: 10-27-2021
----------------------	--

Variants

Item #	Color	Putup Type	Length	UPC
8725 060500	Chrome	Reel	500 ft	612825214663
8725 0601000	Chrome	Reel	1,000 ft	612825214625

© 2021 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.