

Product: [8788](#) 



Audio, Control and Instrumentation, 5 Conductor 22 AWG (3C Indiv. Shielded Quads; 2C Unshielded), CM

Product Description

22 AWG stranded (7x30) TC conductors, PVC insulation, (2) conductors unshielded, (3) conductors cabled and separately Beldfoil® Shielded (100% Coverage) with TCB solid 29 AWG drain wires, PVC jacket.

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

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
22	7x30	TC - Tinned Copper	3
22		TC - Tinned Copper	2

Conductor Count:	5
------------------	---

Insulation

Material
PVC - Polyvinyl Chloride
PVC - Polyvinyl Chloride

Color Chart

Number	Color
1	Black (shielded)
2	Red (shielded)
3	Green (shielded)
4	
5	

Color Chart 2

Color
Yellow
Blue

Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TCB - Tinned Cadmium Bronze	29	Solid
	No Shield		100%			

Table Notes:	Non-hygroscopic Filler
--------------	------------------------

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Nominal Diameter
----------	------------------

PVC - Polyvinyl Chloride | 0.236 in

Construction and Dimensions

Cabling

Filler

Non-hygroscopic Inner Shield Filling Compound

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Inner Shield DCR
15 Ohm/1000ft	38 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
34 pF/ft

Current

Max. Recommended Current [A]
2.1 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V RMS

Electrical Characteristics Notes: Nom. Capacitance Shield to Shield: 125 pF/ft

Temperature Range

Non-UL Temp Rating:	60°C
Operating Temp Range:	-20°C To +60°C

Mechanical Characteristics

Bulk Cable Weight:	31 lbs/1000ft
Max. Pull Tension:	45.5 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

NEC/(UL) Compliance:	CM
----------------------	----

Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive Compliance:	EU Directive 2011/65/EU (ROHS II)
EU CE Mark:	Yes

Suitability

Suitability - Indoor:	Yes
-----------------------	-----

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading, VW-1
UL voltage rating:	300 V RMS

Part Number

Variants

Item #	Color	Putup Type	Length	UPC
8788 060500	Chrome	Reel	500 ft	612825216445

Product Notes

Notes: (2) Unshielded conductors cabled around a non-hygroscopic filler. Drain wire for each conductor is tinned cadmium bronze ribbon under 100% Beldfoil« shield coverage.

History

Update and Revision:	Revision Number: 0.268 Revision Date: 08-25-2020
----------------------	--

© 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.