

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

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	3	22 AWG	7x30	TC - Tinned Copper
Conductor(s)	2	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.0155 in (0.394 mm)	0.060 in (1.5 mm)	Black (shielded), Red (shielded), Green (shielded)
Conductor(s)	PVC - Polyvinyl Chloride	0.0155 in (0.394 mm)	0.060 in (1.5 mm)	Yellow, LBlue

Inner Shield

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	100%
	No Shield	

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

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	.028 in (0.71 mm)	0.236 in	Yes

Overall Cable Diameter (Nominal):	0.236 in.
-----------------------------------	-----------

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
17.8 Ohm/1000ft	34 pF/ft (110 pF/m)	3 Amps per Conductor at 25°C
		3 Amps per Conductor at 25°C (22 AWG)

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C	-20°C To +60°C

Bend Radius

Stationary Min.	Installation Min.
2.36 in (59.9 mm)	2.36 in

Max. Pull Tension:	45.5 lbs (20.6 kg)
Bulk Cable Weight:	31 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Flammability / Reaction to Fire:	UL 1685 UL Loading
NEC / UL Compliance:	Article 800, CM
European Directive Compliance:	EU CE Mark

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: 0.345 Revision Date: 04-08-2022
----------------------	--

Part Numbers

Variants

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

© 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.