

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
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Physical Characteristics (Overall)

Conductor

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

Conductor Count:	5
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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

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
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Outer Shield

Material
No Shield

Outer Jacket

Material	Nominal Diameter
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PVC - Polyvinyl Chloride	0.236 in
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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
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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
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Flammability, LSOH, Toxicity Testing

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

Part Number

Variants

Item #	Color	Put-Up 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: 0.338 Revision Date: 08-27-2021
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