

Part Number: 1804A

Microphone Cable, #28-4c, TC, O/A Braid, CM



Product Description

28 AWG stranded (19x40) high-conductivity silver-plated copper alloy conductors, polypropylene insulation, tinned copper braid shield (80% coverage), PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
28	19x40	High Conductivity SPCA - Silver Plated Copper Alloy	0.015 in	4

Conductor Count:	4
------------------	---

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PP - Polypropylene	0.03 in	0.008 in

Color Chart

Number	Color
1	Blue
2	White
3	Blue w/White Stripe
4	White w/Blue Stripe

Outer Shield Material

Type	Material	Coverage [%]
Braid	TC - Tinned Copper	80 %

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.115 in	0.014 in
	0.115 in	

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR
65 Ohm/1000ft	65 Ohm/1000ft		15 Ohm/1000ft

Capacitance

Nom. Capacitance Between Conductors in Quad	Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
60 pF/ft	40 pF/ft	60 pF/ft

Inductance

Nominal Inductance
0.21 μ H/ft

Impedance

Nominal Characteristic Impedance

40 Ohm

Delay

Nominal Velocity of Propagation (VP) [%]

66 %

Current

Max. Recommended Current [A]

1.45 Amps per conductor @ 25°C

Voltage

UL Voltage Rating

100 V RMS

Temperature Range

Non-UL Temp Rating: 60°C

Operating Temp Range: -30°C To +60°C

Mechanical Characteristics

Bulk Cable Weight: 9 lbs/1000ft

Max Recommended Pulling Tension: 24 lbs

Min Bend Radius/Minor Axis: 1.25 in

Applicable Environmental and Other Programs

EU Directive Compliance: No

EU CE Mark: Yes

Suitability

Suitability - Indoor: Yes

Part Number

Plenum (Y/N): No

Variants

Item #	Color
1804A U4F500	BEIGE U4F
1804A J5C100	BLACK, VIVID MATTE
1804A J5C500	BLACK, VIVID MATTE
1804A G8M500	MATTE YELLOW
1804A G8M500	MATTE YELLOW

Product Notes

Notes: Quad connection scheme: The two blue wires (or wires directly opposite one another) are connected together to form one conductor, and similarly the two white wires (or remaining wires) are connected together to form the second conductor.

© 2018 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 EU RoHS(Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure 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. This 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.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

