

1804A Multi-Conductor - Four-Conductor Star Quad, Low-Impedance Cable

For more Information
please call

1-800-Belden1

General Description:

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

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (mm)
4	28	19x40	High Conductivity SPCA - Silver Plated Copper Alloy	0.381

Total Number of Conductors: 4

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PP - Polypropylene	0.762

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	80.000

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Cabling Color Code Chart:

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

Overall Nominal Diameter: 2.921 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +60°C

Non-UL Temperature Rating: 60°C

Bulk Cable Weight: 13.394 Kg/Km

Max. Recommended Pulling Tension: 106.757 N

Min. Bend Radius/Minor Axis: 31.750 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU CE Mark: Yes

EU Directive 2002/95/EC (RoHS): No

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

METRIC MEASUREMENT VERSION

1804A Multi-Conductor - Four-Conductor Star Quad, Low-Impedance Cable

Impedance (Ohm)

40

Nom. Inductance:

Inductance (µH/m)

0.68901

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

131.24

Nom. Cap. Between Cond. in a Quad Config.:

Capacitance (pF/m)

196.86

Nominal Velocity of Propagation:

VP (%)

66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

213.265

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

49.215

Max. Operating Voltage - UL:

Voltage

100 V RMS

Max. Recommended Current:

Current

1.45 Amps per conductor @ 25°C

Other Electrical Characteristic 1: 2/c 25 AWG equivalent DCR when connected to a 3-pin XLR.

Notes (Overall)

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.

Put up and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1804A G8M500	500 FT	5.000 LB	YELLOW, MATTE	F	4 #28 STR PP SHLD PVC
1804A J5C100	100 FT	1.100 LB	BLACK, VIVID MATTE		4 #28 STR PP SHLD PVC
1804A J5C500	500 FT	5.000 LB	BLACK, VIVID MATTE	F	4 #28 STR PP SHLD PVC
1804A U4F500	500 FT	5.000 LB	BEIGE U4F	F	4 #28 STR PP SHLD PVC

Notes:

F = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 50'

Revision Number: 2 Revision Date: 10-04-2012

© 2019 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 herein 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 "AS IS" 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 declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).