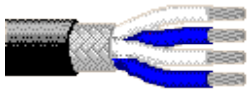


## 1804A Multi-Conductor - Four-Conductor Star Quad, Low-Impedance Cable



For more Information  
please call

1-800-Belden1

### Description:

28 AWG stranded (19x40) high-conductivity silver-plated copper alloy conductors, polypropylene insulation, tinned copper braid shield (78% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
4	28	19x40	High Conductivity SPCA - Silver Plated Copper Alloy	.015

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (in.)	Dia. (in.)
PP - Polypropylene	.006	.030

#### Outer Shield

##### Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	78

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.014

#### Overall Cabling

##### Overall Cabling Color Code Chart:

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

Overall Nominal Diameter: 0.115 in.

### Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 60°C

Bulk Cable Weight: 8.500 lbs/1000 ft.

Max. Recommended Pulling Tension: 24 lbs.

Min. Bend Radius (Install)/Minor Axis: 0.500 in.

### 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:

Impedance (Ohm)

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

40

**Nom. Inductance:**

Inductance (µH/ft)  
 .21

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)  
 40

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

Capacitance (pF/ft)  
 60

**Nominal Velocity of Propagation:**

VP (%)  
 66

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)  
 65

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)  
 15

**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 Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1804A G8M500	500 FT	4.500 LB	YELLOW, MATTE	F	4 #28 STR PP SHLD PVC
1804A J5C100	100 FT	1.000 LB	BLACK, VIVID MATTE		4 #28 STR PP SHLD PVC
1804A J5C500	500 FT	4.500 LB	BLACK, VIVID MATTE	F	4 #28 STR PP SHLD PVC
1804A U4F500	500 FT	4.500 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: 05-14-2007

© 2008 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 73/23/EEC), as amended by directive 93/68/EEC.