

1192A Multi-Conductor - Four-Conductor Star Quad, Low-Impedance Cable



For more Information
please call

1-800-Belden1



General Description:

24 AWG stranded (42x40) high-conductivity bare copper conductors, polyethylene insulation, tinned copper braid shield (95% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------------|-----|-----------|------------------------|------------|
| 4 | 24 | 42x40 | SBC - Soft Bare Copper | .024 |

Total Number of Conductors: 4

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) | Dia. (in.) |
|---------------------|----------------------|------------|
| PE - Polyethylene | .016 | .056 |

Outer Shield

Outer Shield Material:

| Type | Outer Shield Material | Coverage (%) |
|-------|-----------------------|--------------|
| Braid | TC - Tinned Copper | 95 |

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: 0.245 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +75°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 33 lbs/1000 ft.

Max. Recommended Pulling Tension: 21 lbs.

Min. Bend Radius/Minor Axis: 2.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MIL Order #39 (China RoHS): Yes

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Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
40

Nom. Inductance:

Inductance (µH/ft)
.21

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
39.2

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

Capacitance (pF/ft)
57.4

Nominal Velocity of Propagation:

VP (%)
66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
26.6

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
7.1

Max. Operating Voltage - UL:

Voltage
100 V RMS

Max. Operating Voltage - Other:

| Voltage | Description |
|---------|---|
| 18.0 kV | Nom. breakdown voltage between conductors |
| 16.9 kV | Nom. breakdown voltage conductors to shield |

Max. Recommended Current:

Current
2.9 Amps per conductor @ 25°C

Other Electrical Characteristic 1: 2/c 21 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 |
|----------------|----------|-------------|---------------|-------|-------------------------|
| 1192A B59N1000 | 1,000 FT | 36.000 LB | BLACK, MATTE | C | 4 #24 PE SH PVC BLK MTT |
| 1192A B59100 | 100 FT | 4.100 LB | BLACK, MATTE | | 4 #24 PE SH PVC BLK MTT |
| 1192A B591000 | 1,000 FT | 36.000 LB | BLACK, MATTE | C | 4 #24 PE SH PVC BLK MTT |
| 1192A B59500 | 500 FT | 18.000 LB | BLACK, MATTE | C | 4 #24 PE SH PVC BLK MTT |
| 1192A G7V1000 | 1,000 FT | 36.000 LB | RED, MATTE | C | 4 #24 PE SH PVC RED MTT |
| 1192A G7WN1000 | 1,000 FT | 36.000 LB | GREEN, MATTE | C | 4 #24 PE SH PVC GRN MTT |
| 1192A G7W1000 | 1,000 FT | 36.000 LB | GREEN, MATTE | C | 4 #24 PE SH PVC GRN MTT |
| 1192A G7X1000 | 1,000 FT | 36.000 LB | BLUE, MATTE | C | 4 #24 PE SH PVC BLU MTT |
| 1192A G7X500 | 500 FT | 18.000 LB | BLUE, MATTE | | 4 #24 PE SH PVC BLU MTT |
| 1192A G8CN1000 | 1,000 FT | 36.000 LB | PURPLE, MATTE | | 4 #24 PE SH PVC PUR MTT |
| 1192A G8C1000 | 1,000 FT | 36.000 LB | PURPLE, MATTE | | 4 #24 PE SH PVC PUR MTT |
| 1192A G8M1000 | 1,000 FT | 36.000 LB | YELLOW, MATTE | | 4 #24 PE SH PVC YEL MTT |
| 1192A U901000 | 1,000 FT | 36.000 LB | GRAY, MATTE | C | 4 #24 PE SH PVC GRY MTT |

Notes:
C = CRATE REEL PUT-UP.

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