

## 1172A Multi-Conductor - Four-Conductor Star Quad, Low-Impedance Cable



For more Information  
please call

1-800-Belden1



### Description:

26 AWG stranded (30x40) high-conductivity BC conductors, polyethylene insulation, tinned copper "French Braid" shield (95% coverage), BC drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (mm)
4	26	30x40	SBC - Soft Bare Copper	0.5334

#### Insulation

##### Insulation Material:

Insulation Material	Dia. (mm)
PE - Polyethylene	1.143

#### Outer Shield

##### Outer Shield Material:

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

##### Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire	Conductor Material
28	Stranded	BC - Bare Copper	

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.762

#### 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: 4.826 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
Non-UL Temperature Rating:	60°C
Bulk Cable Weight:	37.205 Kg/Km
Max. Recommended Pulling Tension:	164.583 N
Min. Bend Radius (Install)/Minor Axis:	48.260 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

EU CE Mark: No

## 1172A Multi-Conductor - Four-Conductor Star Quad, Low-Impedance Cable

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

### Plenum/Non-Plenum

Plenum (Y/N):	No
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### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)

40

#### Nom. Inductance:

Inductance (µH/m)

0.68901

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

128.615

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

Capacitance (pF/m)

188.329

#### Nominal Velocity of Propagation:

VP (%)

66

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

118.116

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

22.3108

#### Max. Operating Voltage - UL:

Voltage

100 V RMS

#### Max. Recommended Current:

Current

1.9 Amps per conductor @ 25°C

Other Electrical Characteristic 1: 2/c 23 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
1172A B591000	305 MT	11.340 KG	BLACK, MATTE	C	4 #26 PE FBRD PVC
1172A B59500	152 MT	6.124 KG	BLACK, MATTE		4 #26 PE FBRD PVC
1172A G7V1000	305 MT	11.340 KG	RED, MATTE		4 #26 PE FBRD PVC
1172A G7W1000	305 MT	11.340 KG	GREEN, MATTE		4 #26 PE FBRD PVC
1172A G7X1000	305 MT	11.340 KG	BLUE, MATTE		4 #26 PE FBRD PVC

## METRIC MEASUREMENT VERSION

### 1172A Multi-Conductor - Four-Conductor Star Quad, Low-Impedance Cable

1172A G8M1000	305 MT	11.340 KG	YELLOW, MATTE		4 #26 PE FBRD PVC
1172A U901000	305 MT	11.340 KG	GRAY, MATTE		4 #26 PE FBRD PVC

**Notes:**

C = CRATE REEL PUT-UP.

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