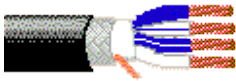


1172A Multi-Conductor - Four-Conductor Star Quad, Low-Impedance Cable



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. (in.)
4	26	30x40	SBC - Soft Bare Copper	.021

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PE - Polyethylene	.045

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 (in.)
PVC - Polyvinyl Chloride	.030

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: 0.190 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
Non-UL Temperature Rating:	60°C
Bulk Cable Weight:	25 lbs/1000 ft.
Max. Recommended Pulling Tension:	37 lbs.
Min. Bend Radius (Install)/Minor Axis:	1.900 in.

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
---------------	----

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)

36

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.8

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	1,000 FT	25.000 LB	BLACK, MATTE	C	4 #26 PE FBRD PVC
1172A B59500	500 FT	13.500 LB	BLACK, MATTE		4 #26 PE FBRD PVC
1172A G7V1000	1,000 FT	25.000 LB	RED, MATTE		4 #26 PE FBRD PVC
1172A G7W1000	1,000 FT	25.000 LB	GREEN, MATTE		4 #26 PE FBRD PVC
1172A G7X1000	1,000 FT	25.000 LB	BLUE, MATTE		4 #26 PE FBRD PVC

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

1172A G8M1000	1,000 FT	25.000 LB	YELLOW, MATTE		4 #26 PE FBRD PVC
1172A U901000	1,000 FT	25.000 LB	GRAY, MATTE		4 #26 PE FBRD PVC

Notes:

C = CRATE REEL PUT-UP.

Microphone and Musical Instrument Cable

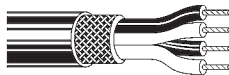
Four-Conductor Star Quad, Low-Impedance Cables†
High-Conductivity Copper



Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	pF/ Ft.	pF/ m	pF/ Ft.	pF/ m

28 AWG Stranded (19x40) High-conductivity Silver-plated Copper Alloy Conductors • Tinned Copper Braid Shield (78% Coverage)

Polypropylene Insulation • Matte PVC Jacket (Available in Red, Yellow, Blue, Beige or Black)

Mini Star Quad 100V RMS 60°C 	1804A	—	4	Blue/White, White/Blue	100 ▲	30.5	1.6	0.7	.006	.15	.014	.36	.115	2.92	40	131	60	197
					500 ■	152.4	4.5	2.0										

2/c 25 AWG equivalent DCR when connected to a 3-pin XLR.

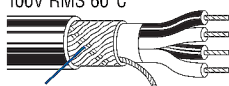
▲100 ft. put-up available in Black only.

■May contain more than one piece. Min. length of any one piece is 50 ft.

One Blue conductor and one White conductor are striped for use in MIDI and other four conductor applications.

26 AWG Stranded (30x40) High-conductivity BC Conductors • TC “French Braid” Shield (95% Coverage) • BC Drain Wire

Polyethylene Insulation • Matte PVC Jacket (Available in Red, Green, Yellow, Blue, Gray or Black)

100V RMS 60°C 	1172A	—	4	Blue/White, White/Blue	500 *	152.4	13.5	6.1	.011	.28	.030	.76	.190	4.83	39	128	57	187
					1000	304.8	25.0	11.3										

2/c 23 AWG equivalent DCR when connected to a 3-pin XLR.

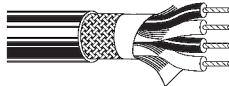
French Braid

*500 ft. put-up available in Black only.

One Blue conductor and one White conductor are striped for use in MIDI and other four conductor applications.

24 AWG Stranded (42x40) High-conductivity Bare Copper Conductors • Tinned Copper Braid Shield (95% Coverage)

Polyethylene Insulation • Matte PVC Jacket (Available in Red, Green, Yellow, Blue, Gray or Black)

100V RMS 75°C 	1192A	—	4	Blue/White, White/Blue	100 ▼	30.5	4.1	1.8	.016	.41	.045	1.14	.245	6.22	39	128	57	187		
					500 ▼	152.4	16.5	7.5												
					1000	304.8	37.0	16.8												

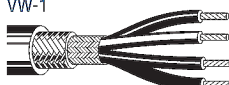
2/c 21 AWG equivalent DCR when connected to a 3-pin XLR.

▼100 ft. put-up available in Black only. 500 ft. put-up available in Blue or Black only.

One Blue conductor and one White conductor are striped for use in MIDI and other four conductor applications.

20 AWG Stranded (19x32) High-conductivity Tinned Copper Conductors • Rayon Braid • Tinned Copper Braid Shield (85% Coverage)

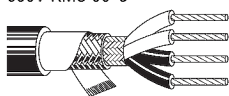
Polyethylene Insulation • Chrome PVC Jacket

UL AWM Style 2094 (300V RMS 60°C) VW-1 	8404	—	4	Clear,	100	30.5	5.4	2.4	.016	.41	.032	.81	.252	6.40	23	75	49	161		
				Black,	500	152.4	23.0	10.4												
				Red,	U-1000	U-304.8	48.0	21.8												
				Green	1000	304.8	49.0	22.3												

2/c 17 AWG equivalent DCR when connected to a 3-pin XLR.

20 AWG Stranded (26x34) High-conductivity Tinned Copper Conductors • Rayon Braid • TC Braid Shield (85% Coverage) • Cotton Wrap


EPDM Rubber Insulation • Black EPDM Rubber Jacket

600V RMS 90°C 	8424	—	4	Black,	100	30.5	6.8	3.1	.023	.58	.036	.91	.294	7.47	47	154	59	194		
				White,	250	76.2	15.3	6.9												
				Red,	U-500	U-152.4	32.0	14.5												
				Green	500	152.4	30.5	13.8												
					1000	304.8	64.0	29.1												

2/c 17 AWG equivalent DCR when connected to a 3-pin XLR.

16 AWG Stranded (65x34) High-conductivity Tinned Copper Conductors • Rayon Braid • TC Braid Shield (85% Coverage) • Cotton Wrap

EPDM Rubber Insulation • Black Neoprene Jacket

600V RMS 60°C VW-1 	8407	—	4	Black,	100	30.5	11.3	5.1	.031	.79	.043	1.09	.416	10.57	30	98	66	216		
				White,	250	76.2	28.3	12.8												
				Red,																
				Green																

2/c 13 AWG equivalent DCR when connected to a 3-pin XLR.

BC = Bare Copper • EPDM = Ethylene Propylene Diene Monomer • TC = Tinned Copper

*Capacitance between conductors. **Nom. capacitance between conductors in a Quad configuration.

Ⓢ Not RoHS compliant at time of printing.

†**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.