

IJIS Power snake series

Description: Multi-pair 24 AWG stranded tinned copper, polypropylene insulated, each pair individually shielded and jacketed, with multi-conductor 14 AWG stranded bare copper, PVC insulated and shielded core, overall matte PVC jacketed UL CL2 listed power snake cable

1. Microphone Lines

1.1. Conductor

1.1.1 AWG Size and Stranding: 24 AWG 7 strands 32 AWG

1.1.2 Material: Bare annealed copper

1.2. Insulation

1.2.1 Material: Polypropylene

1.2.2 Wall Thickness: .010" nominal

1.2.3 Diameter: .044" nominal

1.3. Color Code

1.3.1 Code: Each pair black with white, pair jackets white with alpha-numeric identification printed in black ink (1-ONE...)

1.4. Pair Assembly

1.4.1 Lay Length: 1 1/2" left hand

1.4.2 Shield: Aluminum/polyester tape and 24 AWG 7/32 tinned copper drain wire

1.5. Pair Jacket

1.5.1 Material: White polyvinyl chloride

1.5.2 Wall Thickness: .015" nominal

1.5.3 Diameter: .123" nominal

2. Speaker Lines

2.1. Conductor

2.1.1 AWG Size and Stranding: 14 AWG 19 strands

2.1.2 Material: Bare annealed copper

2.2. Insulation

2.2.1 Material: Polyvinyl chloride

2.2.2 Wall Thickness: .025" nominal

2.2.3 Diameter: .125" nominal

2.3. Color Code

2.3.1 Code: See Chart 1

2.4. Cable Assembly

2.4.1 Lay Length: left hand

2.4.2 Shield: aluminum/polyester tape and 18 AWG 7 strand tinned copper drain wire

3. Cable Assembly

3.1 Assembly: Pairs cabled around microphone lines. Number of mic and speaker lines per chart 2

3.2 Fillers: PVC rod fillers as required

3.3 Separator: Paper tape

4. Jacket

4.1 Material: Matte polyvinyl chloride

4.2 Diameter: Per chart 2

4.3 Color: Black

5. Markings

5.1 Type: Surface printing in white ink

5.2 Legend: To be specified (... TYPE CL2 (UL) E156866 FT4)

6. Electrical Specifications

6.1 Capacitance @ 1 kHz:

6.1.1 Between conductors: 25 pF/ft.

6.1.2 Conductor to shield: 45 pF/ft.

6.2 Characteristic Impedance: 60 ohms nominal

6.3 Resistance at 20C: 24.5 ohms/1000 ft.

Chart 1

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|----------|----------|-----------|
| 1. Black | 4. Green | 7. Orange |
| 2. White | 5. Brown | 8. Yellow |
| 3. Red | 6. Blue | |

Chart 2

No. of Pairs (X)	No Speaker Lines (Y)	Lay Length	Overall Diameter
10	2 (4/C)	8"	.680"
14	2 (4/C)	10"	.870"
18	4 (8/C)	12"	1.000"