

Clearer Audio™

Copper-line Power-HUB Specifications

HUB:

Construction:

- Robust mild steel
- Copper M5 internal earthing post
- Copper M5 external earthing stud

Sockets:

- Wandsworth industrial non-standard unswitched sockets
- Large copper contacts
- Current rating – 13A max
- Operating voltage – 250V AC max
- Approved to BS1363

Inlet Cable:

Conductors:

- Live, earth and neutral cores:
 - 6N OCC Copper (99.9999%)
 - Multi-strand conductors
 - Total core area - 2.47mm²
- CL3 PVC insulation
- Resistance - 0.00754 Ω /m
- Capacitance - 173.20 pF/m
- Inductance - 0.622 μ H/m
- Maximum continuous current flow - 26A
- Maximum continuous working voltage - 300V AC

Shielding:

- *Dual-layer Copper Foil Shield (earthed):-*
 - Shielding Performance from 10kHz to 5GHz up to a maximum of 80+ dB
- *5N Ultra High Purity Oxygen Free Copper (99.999%) Braid Shield (earthed):-*
 - Shielding Performance from 5kHz to 2GHz up to a maximum of 60+ dB
- *Dual-layer Copper Foil Shield (earthed):-*
 - Shielding Performance from 10kHz to 5GHz up to a maximum of 80+ dB

Super Suppressors:

- 2 x Custom Ferrite Ring
- Impedance @ 25MHz = 71 Ω
- Impedance @ 100MHz = 125 Ω

Mains Plug:

- Solid brass pins
- Silver-plated copper fuse holder (treated with CAIG Gold GN5)
- Silver-plated 13A fuse approved to BS1362 (treated with CAIG Gold GN5)
- Clear polycarbonate housing
- Current rating – 13A max
- Operating voltage – 250V max
- Approved to BSI 1363/A

Internal Wiring:

- Live, earth and neutral cores:
 - 6N OCC Copper (99.9999%)
 - Multi-strand conductors
 - Total core area - 2.47mm²
- Star-wiring throughout
- CL3 PVC insulation
- Resistance - 0.00754 Ω /m
- Capacitance - 173.20 pF/m
- Inductance - 0.622 μ H/m
- Maximum continuous current flow - 26A
- Maximum continuous working voltage - 300V AC

Internal Power Distribution:

- Central high-current distribution block (*live and neutral lines*)
 - Current rating: 60A
 - Voltage rating: 400V
- Tin-plated copper crimp connections (*earth lines*)

Super Suppressor (internal):

Power entry:

- 1 x Custom Ferrite Ring
- 1½ turns
- Impedance @ 25MHz = 182 Ω (½ turn)
- Impedance @ 100MHz = 212 Ω (½ turn)

Gatekeeper Surge Protection:

- Protects all three channels - live and neutral, live and earth, neutral and earth
- Transient energy absorption - 3 x 140J
- Transient peak current - (8/20us)-6500A
- Impulse response time - <50ns
- Maximum clamping voltage @ 100A - 710V

Advanced Burning In (Audiodharma Pro 2.5 Cable Cooker):

- 90 hours fully constructed pre-burn

Technical Data:

- Current rating - 13A max.
- Operating voltage - 250V max.
- 13A fuse-link - ASTA BS1362
- Approved to EN 60950 CE
- CE APPROVED

Dimensions (in millimetres):

- 4-way - 411 (L) x 97 (H) x 97 (W)
- 6-way - 588 (L) x 97 (H) x 97 (W)