

Clearer Audio™

Copper-line Alpha Digital Interconnect Specifications

Conductors:

- Positive core:
 - 6N OCC Copper (99.9999%)
 - Solid conductor
 - Foamed Polyethylene (FPE) Dielectric
- Negative braid:
 - 5N Ultra High Purity Oxygen Free Copper (99.999%)
- Conductor Resistance – 0.021534 Ω /m
- Capacitance – 47.98 pF/m
- Inductance – 0.3954 μ H/m
- Impedance - 75 Ω
- Attenuation
 - 0.18dB/100m @ 1kHz
 - 0.25dB/100m @ 100kHz
 - 0.49dB/100m @ 500kHz
 - 0.68dB/100m @ 1MHz
 - 1.94dB/100m @ 10MHz
 - 3.26dB/100m @ 30MHz

Shielding:

- *Copper Foil Shield (grounded);*
 - Electric Shielding Performance up to 10GHz up to a maximum of 90+ dB
 - Magnetic Shielding Performance up to 1MHz up to a maximum of 75 dB
- *5N Ultra High Purity Oxygen Free Copper (99.999%) Braid Shield (grounded);*
 - Electric Shielding Performance up to 1GHz up to a maximum of 72 dB
 - Magnetic Shielding Performance up to 1MHz up to a maximum of 10 dB
 - Plane Wave Shielding Performance up to 1GHz up to a maximum of 44 dB
- *Copper Foil Shield (grounded);*
 - Electric Shielding Performance up to 10GHz up to a maximum of 90+ dB
 - Magnetic Shielding Performance up to 1MHz up to a maximum of 75 dB

Canare RCAP-C5F Digital RCA Plugs:

- Center contact – Gold-plated Phosphor Bronze
 - Outer contact – Gold-plated Beryllium Copper
 - Dielectric – PPO Noryl
 - Crimp pin – Gold-plated Brass
 - Crimp sleeve – Tin-plated Copper
-
- Impedance - 75Ω
 - Bandwidth DC to 200MHz - >26dB
 - Return to Loss - <1.1 VSWR
 - Center contact resistance - <10mΩ

Canare BCP-C5FA BNC Plugs:

- Center contact – Gold-plated Brass
 - Outer contact – Gold-plated Beryllium Copper
 - Dielectric – Polytetrafluoroethylene (PTFE)
 - Crimp sleeve – Tin-plated Copper
-
- Impedance - 75Ω
 - Bandwidth DC to 200MHz - >26dB
 - Return to Loss - <1.1 VSWR
 - Center contact resistance - <6mΩ
 - Outer contact resistance - <3mΩ

Canare FP-C5F F-Plugs:

- Center contact – Gold-plated Brass
 - Dielectric – Polytetrafluoroethylene (PTFE)
 - Crimp sleeve – Tin-plated Copper
-
- Impedance - 75Ω
 - Bandwidth DC to 200MHz - >26dB
 - Return to Loss - <1.1 VSWR
 - Center contact resistance - <5mΩ
 - Outer contact resistance - <5mΩ

Advanced Burning In (Audioldharma Pro 2.5 Cable Cooker):

- 24 hour fully constructed pre-burn