

The Audio Triax connector series for twinax cables (two-core shielded) and triaxial cables from 2 to 5 mm diameter is often used as an audio connector in broadcast and studio technology.

The push-pull system ensures safe and reliable locking and contacting of these connectors. Only by pulling back the grip sleeve, the cable connector will be released from the Socket - accidental loosening is so prevented.

Audio Triax cable connectors are plugged disoriented and axially, which allows easy handling.

Due to the compact design, a high packing density is possible.

The Audio Triax series is compatible with Lemo's 0S.650 series.

Electrical Characteristics (at 20°C and 65 % relative humidity)

Contact resistance (Plug and Socket connected)

Inner conductor..... $\leq 2 \text{ m}\Omega$

Outer conductor..... $\leq 1 \text{ m}\Omega$

Shielding..... $\leq 5 \text{ m}\Omega$

Isolation resistance..... $\geq 5 \text{ G}\Omega$

Test voltage U_{eff} 1.5 kV

Operating voltage U_{eff} $\leq 300 \text{ V}$

Operating current $\leq 2 \text{ A}$

Operating temperature range..... - 60 °C up to +125 °C

Mechanical Characteristics

Contact system..... Pin-socket principle

Cable connection..... Solder-/Clamp-Technology

Cable-Ø 2-5 mm

Coupling type..... Push-Pull System (Self-latching)

Durability (mating cycles) ≥ 1000

Construction

Inner conductor..... Beryllium copper/Brass hard gold-plated

Outer conductor..... Beryllium copper/Brass hard gold-plated

Shielding..... Brass nickel-plated/hard gold-plated

Bracket parts Brass chrome-plated/nickel-plated

Insulation parts Polytetrafluoroethylene (PTFE)

RoHS conform

* Divergent data mentioned at the respective product.

The specified data serve only to describe the product and should not be considered legally binding, guaranteed properties. Depending on the application, design, type of cable and assembly method the specified values may differ. We reserve the right to make constructional changes, determine delivery and are not responsible for any errors and omissions.

Individual customized High Performance Cable Connectors

On the basis of our 90 years of experience as Developer and Producer of high quality cable connectors we are able to provide customer-specific solutions by manufacturing individual precision cable connectors from Damar & Hagen.

Options

- Surface special surfaces according to customers requirement, for the layer structure and also for the layer thicknesses

- Cable connections halogen-free cables, two braids cable, multi-wire cable, unusual cable diameter, different cable length, additional clamping of the cable sheath, Assembly by our company,

- Dimensions all dimensions, distances, nuts, tread length mounting holes, insulation bases etc. are variable according to customers requirement

- Electrically variable special resistors, circuits, contacts are possible According to customers requirement

- Insulating parts, gaskets and contacts other colours and materials are possible (e. g. Beryllium bronze for outer conductor contact)