Standard QC Plan for Custom Audio Cable Orders

How every OEM and private-label order is checked before it ships, who does each check, and what you receive. Haisen Innovations Limited (Hong Kong, CR No. 78420197) does not own a factory: production takes place at our manufacturing partners in Guangdong, China, and Haisen owns the specification and is your contracting supplier.

Who does what

Item	Your brand	Haisen (Hong Kong)	Manufacturing partners
Requirements and approval	Defines needs, approves spec and sample	Writes the specification, recommends materials	Reviews manufacturability
Materials and components	—	Sets material requirements in the spec; has them checked before production starts	Sources and stores materials to spec
Production	—	Manages the schedule and all partner communication; tells you before any component changes	Produces to spec and golden sample
Inspection	Receives the inspection report and photos; can book its own third-party inspection	Has every bulk order inspected before shipment — by Haisen staff or a third-party inspector we appoint — using AQL sampling	Runs the in-process checks and 100% electrical tests that our QC plan requires, and records the results
Contract and payment	Pays Haisen Innovations Limited	Quotes, issues the proforma invoice, is responsible for delivery and quality	—

The plan, order by order

1. **Specification and golden sample**
   Every order starts with a written specification and an approved golden sample. Every later check compares production against both.
2. **Materials check before production**
   Before production starts, the cable, connectors and printed packaging for your order are checked against the spec: conductor gauge, jacket color and diameter, connector type and plating, and artwork.
3. **First-piece and in-process checks**
   The first finished cables of each run are checked against the golden sample before the run continues. During assembly, solder joints, strain relief and housing fit are checked at the workstations.
4. **100% electrical and visual checks**
   Every finished cable is tested for continuity, polarity (pinout) and short circuits, and visually checked for workmanship before it is packed. Cables that fail are reworked or scrapped, never packed.
5. **AQL pre-shipment inspection**
   Before every bulk order ships, Haisen staff or a third-party inspector we appoint inspects it using AQL sampling to ISO 2859-1 (equivalent to ANSI/ASQ Z1.4). Unless your quote states otherwise, we use General Inspection Level II with AQL 0 for critical, 2.5 for major and 4.0 for minor defects. Goods that fail are reworked or replaced before shipment.
6. **Report before you pay the balance**
   You receive the inspection report with photos before you pay the balance. Nothing ships until you have seen it.

Checks in the standard plan

Check	What it checks	When
Continuity and short circuit	Every conductor connects end to end, with no shorts between conductors or to the shield	Every finished cable, before packing; again on AQL samples
Polarity / pinout	Correct pin assignment, such as XLR Pin 2 hot, TRS tip and ring, and left and right on headphone cables	Every finished cable, before packing; again on AQL samples
Visual and workmanship	Plugs, solder joints, strain relief, jacket, logo and labeling against the golden sample	Every finished cable; again on AQL samples
Length	Length against the spec: ±2 cm up to 1 m, ±2% over 1 m (±1 cm on patch cables), measured as stated in the spec	First pieces of each run; AQL samples
Plug fit	Plugs insert, latch and release in standard jacks and sockets	First pieces of each run; AQL samples
Packaging and labels	Inserts, labels and barcode scans against approved artwork; carton marks	AQL samples

What the pre-shipment inspection covers

- Quantity, packing and carton marks against the order
- Appearance and workmanship against the golden sample
- Length against the spec tolerance, connectors and plating finish
- Continuity, polarity and shorts on sampled units
- Plug fit in standard jacks and sockets
- Logo, labels and barcode scans

Your own inspector

Third-party inspection by an agency you choose, such as SGS, Bureau Veritas or QIMA, is welcome at your own cost. Tell us when you place the order so we can schedule it.

Not part of the standard plan

Capacitance, pull, flex and other performance tests. If your project needs them, we can arrange them with a third-party laboratory and confirm the method and results in writing.

Test reports and defects

A test report covers a specific product and belongs to the brand that commissioned it, so we arrange testing for your product instead of showing reports made for someone else. We can arrange RoHS testing, and CE or FCC testing where applicable, per project, with reports issued for your brand. Passive cables generally don't need FCC testing, and we don't describe them as "CE certified".

We cover manufacturing defects for 12 months from delivery. Please report short quantities and visible damage within 14 days of receiving the goods.

This is our standard plan, as published at haisenaudio.com/quality/supply-chain-qc/. Your specification and quote can add checks or change the AQL levels for your order; the quote and the approved golden sample are the reference for your order. A blank sample layout of the pre-shipment inspection report is available in the same download center.