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“Very high compression” ETON technology is unique in its design and brings conductor connections unprecedented performances in this field along with constant characteristics over time, resulting in the very high reliability observed :

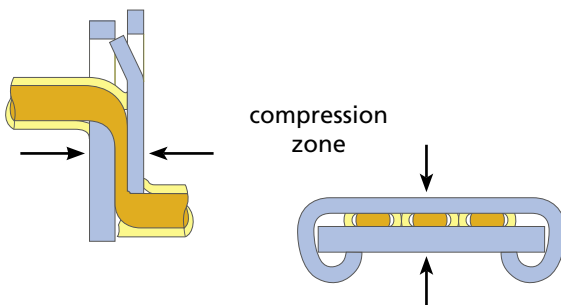
- Contact resistance < 0.5mOhm (measured at 30μOhm in the laboratory)
- Use on very high speed networks and over 50Mbits
- No temperature rise at the connection.

The intermetallic connection with conductors is provided by 2 metal spares that become interdependent upon crimping.

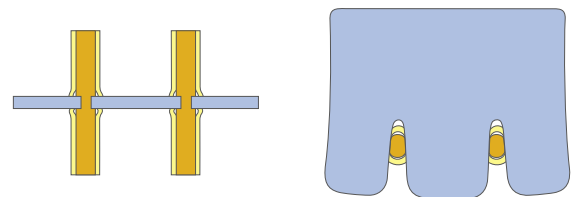
In the ETON 23UY model, one internal metal spare is used only. In this case, the connector is conventional “U fork” technology whose performances, comparable with the “ETON high compression” technology, are reduced in the transfer of very high speeds (propagation time) or currents (electrostatic discharge).

The reliability level of “ETON high compression” technology (international patents) is 60 times higher than conventional “U fork” technology in all environmental conditions.

## • ETON Technology



## • " U " Technology



## — Metallographic sections on ETON 23YF connector contact zones —



You will notice the close liaison of conductors between the metal surfaces of ETON technology, creating a possibility of intermetallic diffusion between spares and conductors and flowing of their insulator.

This “cold weld” type “high compression” liaison leads to a maximum reduction of the measured and actual contact resistance of 0.030mOhm (milliohm), official test of laboratories without altering the conductors in their sections.

The air-tightness of the liaison (contact zone) prevents any corrosion or sudden temperature rise of the contact, thereby ensuring its stability and performances over time.