MATERION

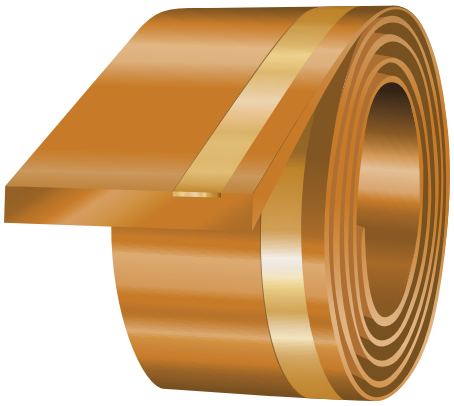
PRODUCT BRIEF

iON CONNECTOR MATERIALS

ELECTRICAL CONNECTOR MATERIALS FOR THE MOST DEMANDING ENVIRONMENTS

DOWN HOLE, UNDER HOOD, AND OUT OF THIS WORLD.

iON connector materials were developed with extreme environments in mind. These engineered alloy contacts offer superior vibration, temperature, and cost performance over what is achievable with conventional electroplated materials. iON connectors are provided clad to any terminal or spring material, allowing for drop replacements to your challenging gold contact applications.

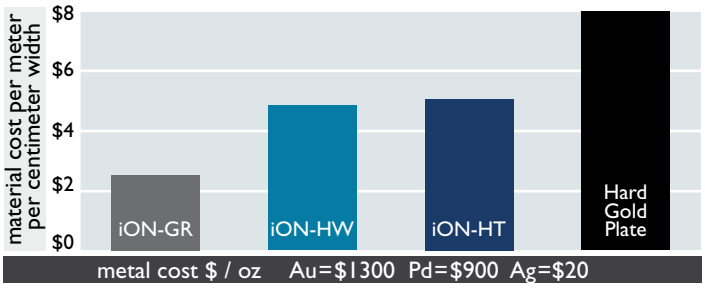


Features:

- Superior High Temperature Stability
- Enhanced Vibration & Wear Performance
- Cost Savings Through Reduced Precious Metal Content

CONTACT FINISH	DESCRIPTION	APPLICATIONS
iON-GR	A composite alloy system, predominantly Silver and Palladium, with a noble Gold enriched contact surface.	A common low cost replacement for hard Gold electroplated connectors, with additonal benefits of improved high temperature and high vibration stability.
iON-HW	An ultra-hard wrought Nickel- Palladium base layer with a Gold enriched surface.	For maximum wear performance, in applications with high vibration, sliding or make-break contacts.
iON-HT	A stable ternary alloy system of Silver-Palladium Gold providing high hardness, nobility and supreme temperature stability.	For ultra-high temperature applications with exposures to temperatures up to 350°C.

1 µm THICK iON CONTACT METAL COST COMPARISON



iON connector materials also reduce exposure to volatile precious metal markets. Reducing precious metal costs by as much as 70%, these alloys protect your company against the next wild price spike, giving financial peace of mind in addition to performance you can trust.

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