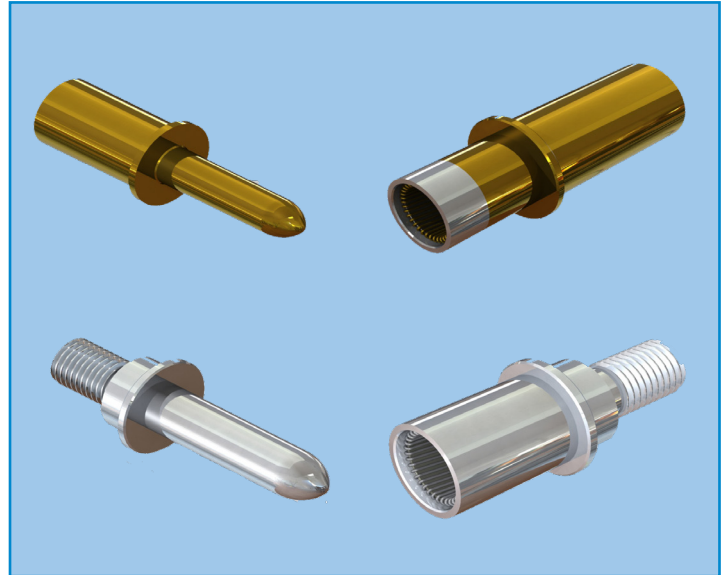


High Power Contact Technology

for Battery Systems in Electric Transportation and Mobility



Hypertac Green Connect™ Contact Technology offers a high power contact solution with unparalleled low contact resistance

The technology uses a set of socket wires, properly angled to form a hyperboloid-shaped, elastic and conductive sleeve. When the mating pin enters the socket, the sleeve expands all around it, providing many lines of electrical contact with the mating pin, as opposed to a few "high spots" on a conventional contact.

The lower contact resistance of the Green Connect hyperboloid contact reduces heat build-up allowing the contacts able to handle far greater current in smaller contact assemblies without adversely effecting temperature rise.

Thanks to the improved crimp design of the socket offering an increased contact area between the contact body and the multi-stranded cable, Hypertac Green Connect™ solution can offer an unrivalled low contact resistance.

Contact material, finish and geometry can all be varied, as well as the number of socket wires, wire thickness, wire length, angle and tension – enabling a bias towards high mating cycles and endurance, or towards pure electrical conductivity.

Designed for high power applications requiring superior and long term performance in current carrying capacity

Features & Benefits

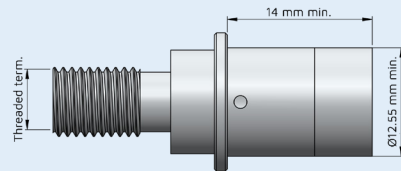
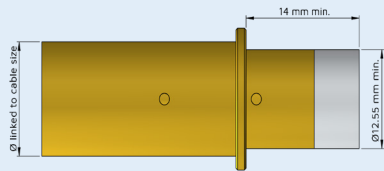
- Unrivaled premium hyperboloid contact with improved crimp design
- High current carrying capacity (300 Amps with a temperature rise < 50°C) capable of up to 90% energy transfer at 500 Amp overload mode even after 10,000 insertion/withdrawal cycles when compared with other technologies.
- Low Contact Resistance from 25 $\mu\Omega$ (40 $\mu\Omega$ after aging) for size 8 mm contact.
- Up to 40,000 mating cycles and low insertion and extraction force.
- Self cleaning contact action
- RoHS and REACH compliant. No SVHC and Beryllium copper used.
- Premium Gold over Nickel plating option available for harsh environments
- Sizes of crimp and lug terminations can be modified upon request

Hypertac Green Connect™

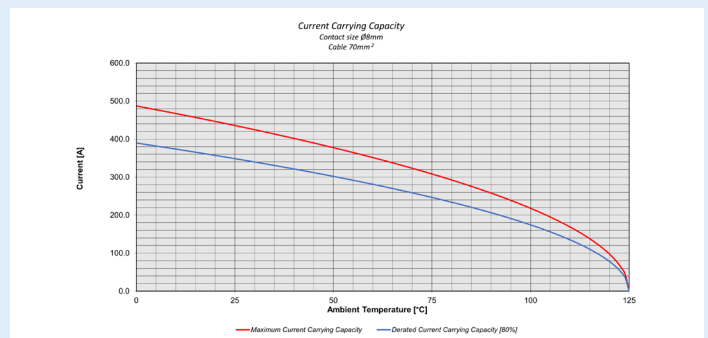
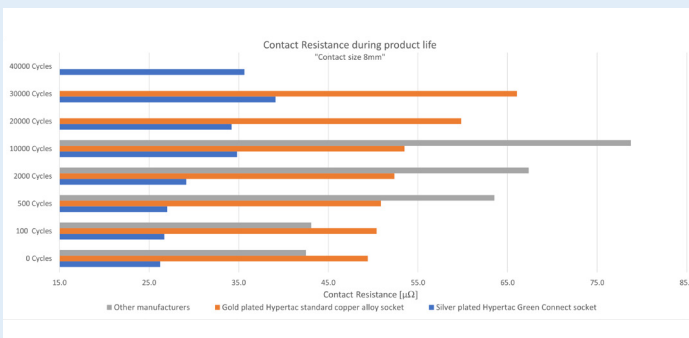
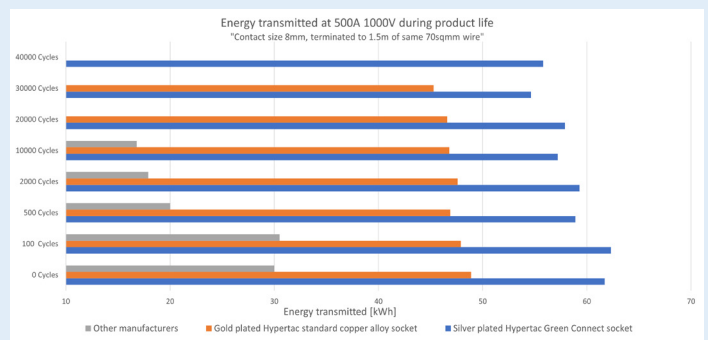
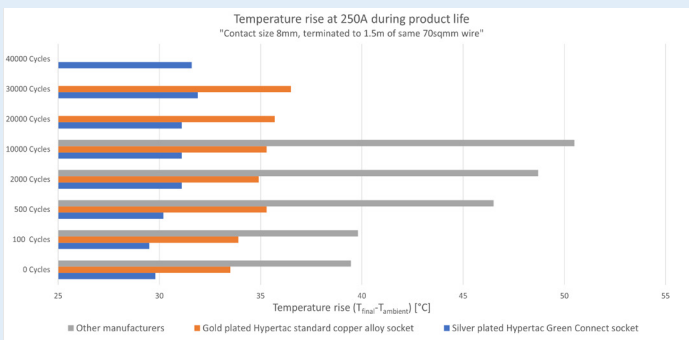
Temperature rise tests have demonstrated that the hyperboloid contact can handle higher current and generate less heat under load than conventional contacts.

It also provides lower and more stable contact resistance at any stage of the product life (i.e. both at 0 and at 10k cycles Hypertac Green Connect's performance keeps a stable trend than conventional contacts which values are double).

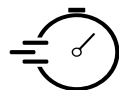
Finally it maintains high current carrying capacity at 500 Amp in overload mode throughout the entire product life providing 90% more energy after 10k mating cycles.



Sizes of crimp and lug terminations can be modified upon request



Hypertac Green Connect™ Contact



Reduction of charging time, Charge point operators (CPOs) will be able to generate more revenue by charging greater number of cars.



Low temperature rise enabling longer energy transfer during boost mode time



Hyperboloid design with increased points of contacts reduce electrical resistance.



Reduce the OPEX through lower spare parts and service cost



All the above means: easy to use, uncompromised performance with lowest lifecycle cost (TOTEX)!

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