



Case Study - SuperCORR A protects and lubricates Contacts on the new Charge/Sync Cable from Lifedge



ABOVE:
Apple iPhone with Lifedge Case And Cable



ABOVE:
Lifedge Flipped Connectors

SuperCORR A lubricant and protective coating widely used by the military, electronics and aerospace industries for critical applications is used to protect contacts on the new **Lifedge** lightning connector to USB cable to offer the protection needed in extreme conditions. **SuperCORR A** deposits a dry protective film with excellent corrosion protection and lubricant properties plus the added advantage of a hydrophobic surface rejecting water that ensures the easiest and best connection for the very close spaced connectors.

Lifedge is the world's first 100% waterproof, rugged Lightning to USB cable for charging and mobile connections whatever the weather or conditions. Developed for use in all outdoor activities including sailing, hiking, military, naval, surveying or other challenging uses. With an ultra-durable outer coating that will never fray and double-moulded, super-tough plugs, charging, downloading and data transfer is improved even in the most extreme and difficult conditions.

During the design of this new cable an extensive test programme, devised by Jeff Knapman head of design at Scanstrut, manufacturer of the **Lifedge** cable, was carried out to ensure the contacts were protected from corrosion in the salty and hostile environments in which the **Lifedge** connectors are used.

SuperCORR A dry lubricant widely used for critical applications in military, electronics and avionics industries proved to offer the protection needed. **SuperCORR A** prevents or delays corrosion and possible failures.

Earlier testing by a major electronics connector manufacturer recognized that **SuperCORR A** is a lubricant formulated with corrosion preventive compounds, and as is the case with all "lubricants" will be worn off over time. **SuperCORR A** was tested to see what the "life" of the lubricant was in a "rub test". The typical test is 20,000 cycles, i.e. unplug, plug in is one cycle. The test results demonstrated that after 20,000 cycles there were no failures. It was decided to take it one more step and run the same tests for 200,000 cycles. The results again showed no indications of galling or scoring on the USB connectors which looked and performed as good as new.

The extensive testing during the design of the **Lifedge** connectors validated the original tests and confirmed **SuperCORR A** will ensure the customer has the most reliable and easy to use connector, in often demanding circumstances. The robust Lightning and USB metal connectors are coated with **SuperCORR A** patented anticorrosion treatment for complete protection against the elements, whilst an integrated O-ring ensures IP66 waterproofing when charging with the **Lifedge** iPhone case. The cable is also compatible with **protective** cases from other leading manufacturers.

Officially approved by Apple for use with iPhone, iPad and iPods **SuperCORR A** helps to bring new freedom and reliability with the **Lifedge** Ultimate Charge/ Sync Cable.

SuperCORR A is available as an aerosol spray and in bulk containers for brush and dip coating.



CORR-EX® Industrial Corrosion Protection And Control Solutions

For more information about **SuperCORR A** please visit: www.corrosion-protect.com



► Editors - for more information about **SuperCORR A** please contact:

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