



FIRE SECURITY

Repair and Life Extension of Electrical Cables



Fire Security cable repair system is designed to repair damaged or brittle LV to HV cables without shutdown or loss of production whilst removing the costly need for cable replacements.

We pride ourselves on minimal business interruption as we efficiently find a solution to repairing the damaged cables.

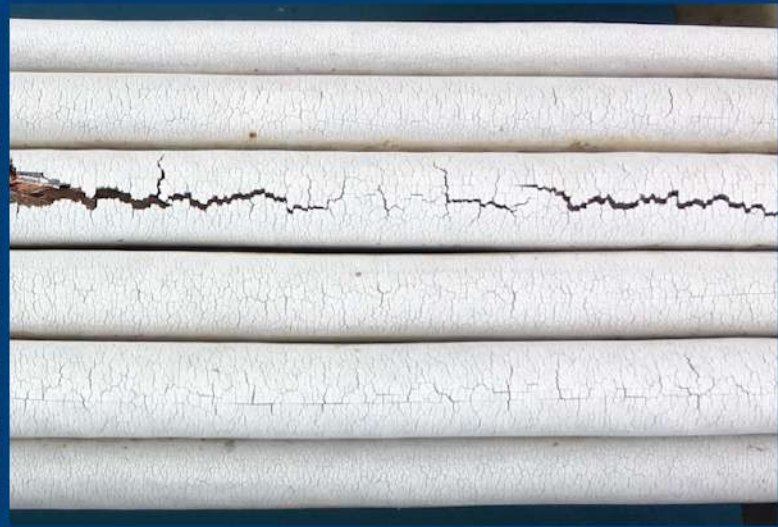
After rebuilding the damaged sheaths and restoring both insulation and mechanical integrity with our repair system, the cables are protected against both environmental stress and fire.



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UV exposed cables usually do not keep its integrity throughout its designed lifetime. Early aging, brittle outer sheath and water ingress causes disruptions in the facility's operation and becomes a safety hazard.



FS system can fully repair, restore and upgrade the cables to become UV resistant. Our repair system will create a protective barrier that will ensure the expected lifetime of the cables to be extended with at least 10 years and in most cases much longer.





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Repair of HV cables where sharp bend radius has caused cracks to open on the cable's outer radius. Cracks are filled and repair tape applied to create a new smooth surface before FS coating is applied to add insulation and make it a certified permanent cable repair.



FS coating is applied to encapsulate the cables. The coating will restore any loss of the cables electrical integrity and upgrade the cables fire technically accordingly with IEC-60331 standard. Our coating is highly elastic and will cope with any minor movement in the cable outer sheath.





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Oil, drilling mud and hydraulic fluid softens and damages cable sheaths. FS repair system is resistant to this hydrocarbon degradation, ensuring our cable repair will extend the life of cables exposed to the harshest conditions.

HV Cables with fire damaged outer sheaths will usually be replaced. FS repair system will fully replace the sheath where required and restore the cables insulation value. If the cable insulation and conductor is in a good working condition after the fire, the cable does not need to be replaced as our repair solution can fully repair and restore the existing cable.





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Subsea Cable Repair

Corrosion of the protective armour of a Topside subsea cable will normally fail long before the cable itself. This vital cable can then be exposed to impact and easily be damaged.

FS has extensive experience in repairing these cables by replacing the damaged armour before applying our coating to stop further saltwater, weather and wind degradation.

Drag Chain Cables

Drag chain cables are in constant movement and exposed to UV, oil and drilling mud. Here extensive single cable repair is carried out on a drilling rig before spraying of all cables to avoid further degradation. Feedback from our customer states this specific cable repair was still in good working condition 8 years after we conducted the job in 2012.





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Chafing Damage

Chafing damaged cables is a typical damage for FPSO's and Vessels due to movement in the Hull.

FS repair system will fully repair these cables and prevent further Chafing to occur in the future.

Mechanical Damage Cable

Some of the major advantages of using FS cable repair system is that we can repair the cable only where the damage is, while the cable is energized. If the cable is located in a high-risk area for mechanical impact, we can also make the cable mechanically stronger than the original.





FIRE SECURITY

Our products have been approved by leading classification societies and authorities:
U.S. COAST GUARD, Lloyd's Register, Achilles, BV, DNV, RINA, NMA, ABS, FM, UL



SUSTAINABLE SOLUTIONS

Fire Security protects and extends cable life
using non-toxic materials.

SAVING LIVES, COSTS and THE ENVIRONMENT

Starting with an inspection, we identify your problems, suggest solutions along with a cost indication and deliver the work with our own highly skilled technicians. This process ends with a full documentation package including Completion Reports and Warranties - all backed by our Type Approvals and Testing.

Please feel free to contact us for a free consultation

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