ABB Cable Care
Service Offering for High Voltage Cable Systems
Secure power transmission systems and minimize downtimes with ABB Cable Care

ABB is one of the world’s leading suppliers of high voltage cable systems with a complete portfolio of cable system services. This includes a comprehensive selection of in-house spare parts as well as fault location, turn-key repairs and associated works, available 24/7 for both submarine and underground cable systems. Our extensive experience with AC (alternating current) and DC (direct current) cable system installations and services worldwide enables us to provide efficient solutions that minimize system downtime and secure availability for our customers.

ABB’s cable experts can handle all types of high voltage accessories from the world’s leading manufacturers and have comprehensive experience with various types of cable, including XLPE (cross-linked polyethylene) and MI (mass impregnated) cables up to 450 kV, transition joints and oil-filled cable terminations.

ABB Cable Care contracts secure short reaction times and that all relevant spare parts and documentation are in place and ensure a repair-preparedness of equipment and personnel. Contracts are available in three different service level categories which differ in the scope of services. With ABB Cable Care you can minimize the outage times in case of a cable failure and maximize the availability of your high voltage cable systems.

Fault location services

With ABB Cable Care and their fault location services, ABB provides a rapid response team of specially trained engineers, who are experts at locating faults and testing cable. Equipped with state-of-the-art fault location technologies, the team is ready to provide emergency on-site support for both onshore and offshore installations.

Value

- Fast mobilization brings the right equipment, tools and expertise together in order to repair and restore operations as quickly as possible.
- On-site evaluation and planning ensures quality research and understanding of the fault environment, enabling the fastest and most suitable repair operation.
- Safety is central to complex repair operations, starting with fault location and continuing throughout the entire process.

Rapid response repair teams on standby, fully equipped and ready to perform turnkey repairs

ABB has extensive experience with submarine and underground cable installations and repairs. The ABB cable experts performed repairs under challenging environmental conditions around the world. Our state-of-the-art equipment, experience and skilled personnel, together with our commitment to provide each customer with the best solution, ensures ABB is uniquely qualified to successfully execute complex and challenging cable repairs anywhere in the world.
Service Power Technologies

Short list of our references
- Konti-Skan, Sweden – Denmark (2009) 250 kV HVDC, MI Interconnector
- NorNed, Norway – The Netherlands (2010) 450 kV HVDC, MI Interconnector
- Baltic Cable, Sweden – Germany (2011) 450 kV HVDC, MI Interconnector
- Thanet, Great Britain (2012) 132 kV AC, XLPE Offshore Wind
- Channel Isles, France – Guernsey (2012) 90 kV AC, XLPE Interconnector
- Thornton Bank, Belgium (2013) 150 kV AC, XLPE Offshore Wind
- Fenno-Skan, Finland – Sweden (2013) 400 kV HVDC, MI Interconnector
- Black Sea, Romania (2013) 3 x 12 kV AC, XLPE Offshore Oil & Gas
- Troll A, Norway (2014) 66 kV AC, XLPE Offshore Oil & Gas

Service offering

Offshore and onshore cable service
ABB’s maintenance concept is subdivided as follows to reflect the functions of the systems and components installed:
- ABB is a complete supplier of cable solutions. We offer the whole spectrum from unique cable expertise to marine engineering – all tailored to customer specific needs.
- We commit us to hold qualified personnel and equipment available to our customers - our service is available 24 hours a day, 7 days a week.

We provide
- Emergency repair team on standby 24/7
- Fault location
- Cut and seal
- Turn-key repair
- Marine engineering
- Preventive maintenance procedures
- Storage, maintenance and supply of spare parts

ABB Cable Care agreement
- ensures the safety of our customer’s cable systems by providing service and repair actions in a rapid, safe and cost effective manner.
- available for onshore and offshore cable systems - world-wide.