1968

CE/SC : 21, Publié/Published : 1968, Session paper, Ref. No. : 21-05, 200 kV D.C. Submarine Cable Interconnection between Sardinia and Corsica and between Corsica and Italy.
CE/SC : 21, Publié/Published : 1968, Session paper, Ref. No. : 21-08, High Power Long Distance Cable Cooling.
CE/SC : 21, Publié/Published : 1968, Session paper, Ref. No. : 21-01, Progress Report of Study Committee N 2 (H.V. Cables), with 4 Appendices.

1970

CE/SC : 21, Publié/Published : 1970, Session paper, Ref. No. : 21-05, 300 kV Oil-Filled Cable with 2 000 mm2 Aluminium Conductor and Cross-Bonded Aluminium Sheaths for the City of Oslo.

1972

CE/SC : 21, Publié/Published : 1972, Session paper, Ref. No. : 21-06, Extra-High Voltage Oil-Filled Cables (from 300 to 400 kV) Laid in Vertical Shafts.


CE/SC : 21, Publié/Published : 1972, Session paper, Ref. No. : 21-07, Research and Development in France in the Field of Extruded Polyethylene Insulated High Voltage Cables.


1974


1976

CE/SC : 21, Publié/Published : 1976, Session paper, Ref. No. : 21-03, 500 kV cable lines for hydro power stations.


CE/SC : 21, Publié/Published : 1976, Session paper, Ref. No. : 21-04, Efficiency of direct and indirect cooling of underground transmission systems having solid or gaseous insulation.


1976

CE/SC : 21, Publié/Published : 1976, Session paper, Ref. No. : 21-07, Comprehensive forced-cooled tests on pipe-type cables at Waltz Mill.

CE/SC : 21, Publié/Published : 1976, Session paper, Ref. No. : 21-08, The first 380 kV bulk power transmission in Germany.


CE/SC : 21, Publié/Published : 1976, Session paper, Ref. No. : 21-11, 550 kV high pressure oil-filled pipe cable development in the USA.

1978


CE/SC : 21, Publié/Published : 1978, Session paper, Ref. No. : 21-09, Research and development in the United States on three conductor and UHV compressed gas insulated transmission lines for heavy load transmission.

CE/SC : 21, Publié/Published : 1978, Session paper, Ref. No. : 21-11, Development of extruded cables for EHV applications in the range 138-400 kV.

CE/SC : 21, Publié/Published : 1978, Session paper, Ref. No. : 21-08, Self-contained oil filled cable systems for 750 and 1100 kV: design and tests.


1980


CE/SC : 21, Publié/Published : 1980, Session paper, Ref. No. : 21-06, Results of tests and experience in service in France with high voltage cables with synthetic insulation.


CE/SC : 21, Publié/Published : 1980, Session paper, Ref. No. : 21-08, The first 330 kV bulk power transmission cable system in Australia.

CE/SC : 21, Publié/Published : 1980, Session paper, Ref. No. : 21-09, First 380 kV bulk power transmission system with lateral pipe external cable cooling in Austria.

CE/SC : 21, Publié/Published : 1980, Session paper, Ref. No. : 21-11, New developments of high voltage cables with extruded insulation in Germany.


CE/SC : 21, Publié/Published : 1980, Session paper, Ref. No. : 21-10, Operating and testing experience on solid dielectric cable.

1982


CE/SC : 21, Publié/Published : 1982, Session paper, Ref. No. : 21-08, Insulation development of oil-filled cables for heavy load transmission.


CE/SC : 21, Publié/Published : 1982, Session paper, Ref. No. : 21-10, Development programme for the design, testing and sea trials of the British Columbia mainland to Vancouver Island 525 kV alternating current submarine cable link.

1984


CE/SC : 21, Publié/Published : 1984, Session paper, Ref. No. : 21-08, Conductor-cooled high-power transmission cable. Results of a long-term in Berlin (West).

CE/SC : 21, Publié/Published : 1984, Session paper, Ref. No. : 21-09, Power transmission of a self-contained oil-filled 1 100 kV cable system. Full scale tests and design criteria.

CE/SC : 21, Publié/Published : 1984, Session paper, Ref. No. : 21-10, Installation of submarine power cables in difficult environmental conditions. The experience with 400 kV Messina cables.


CE/SC : 21, Publié/Published : 1984, Session paper, Ref. No. : 21-12, Methods to prevent mechanical damage to submarine cables.

CE/SC : 21, Publié/Published : 1986, Session paper, Ref. No. : 21-09, Development in France of 400 kV PEBD insulated cables.
CE/SC : 21, Publié/Published : 1986, Session paper, Ref. No. : 21-02, Design and installation of the UK part of the 270 kV DC cable connection between England and France including reliability aspects.
CE/SC : 21, Publié/Published : 1986, Session paper, Ref. No. : 21-06, Development and long-term testing of a low-loss 765 kV high pressure oil-filled pipe cable.
CE/SC : 21, Publié/Published : 1986, Session paper, Ref. No. : 21-08, Design, manufacturing and installation of XLPE cables in Denmark.
CE/SC : 21, Publié/Published : 1986, Session paper, Ref. No. : 21-03, Studies on the application of 275 kV XLPE cables to long distance underground transmission lines in Japan.

1988

CE/SC : 21, Publié/Published : 1988, Session paper, Ref. No. : 21-08, Pre-moulded accessories for high voltage extruded insulation cables.
CE/SC : 21, Publié/Published : 1988, Session paper, Ref. No. : 21-02, 161 kV- HDPE insulated cable for Tel-Aviv.
CE/SC : 21, Publié/Published : 1988, Session paper, Ref. No. : 21-04, Cross bonding and a special interruption joint for HV XLPE cables in relation with the use of metal oxide surge arresters.
CE/SC : 21, Publié/Published : 1988, Session paper, Ref. No. : 21-01, Philosophy of design and experience on high voltage XLPE cable and accessories in Japan.

1990

CE/SC : 21, Publié/Published : 1990, Session paper, Ref. No. : 21-101, Outcome of French experience in the field of extra high voltage cables with extruded synthetic insulation.
CE/SC : 21, Publié/Published : 1990, Session paper, Ref. No. : 21-201, Laying methods and installation techniques for HV cables recently employed in Australia.
CE/SC : 21, Publié/Published : 1990, Session paper, Ref. No. : 21-109, High voltage cable with XLPE insulation in the USSR - Operational experience, investigations of ageing processes and long-term tests.


CE/SC : 21, Publié/Published : 1990, Session paper, Ref. No. : 21-204, Installation and supervision of 145 kV cables in the Copenhagen city.


1992


CE/SC : 21, Publié/Published : 1992, Session paper, Ref. No. : 21-308, Installation of 350 kV HVDC submarine power cables for uprating the HVDC system in New Zealand.

CE/SC : 21, Publié/Published : 1992, Session paper, Ref. No. : 21-301, +/- 450 kV DC underwater crossing of the St-Lawrence River of a 1 500 km overhead line with five terminals.


CE/SC : 21, Publié/Published : 1992, Session paper, Ref. No. : 21-304, Distributed temperature sensing of high voltage cables - Case studies from Sydney, Australia.

CE/SC : 21, Publié/Published : 1992, Session paper, Ref. No. : 21-303, Oil-filled power cable systems in the USSR: Experience, design and lifetime characteristics.


1994


CE/SC : 21, Publié/Published : 1994, Session paper, Ref. No. : 21-201, Performance and operating experience of British Columbia Hydro’s 525 kV submarine cable system.


CE/SC : 21, Publié/Published : 1994, Session paper, Ref. No. : 21-103, Recent development in Japan of insulation diagnostic technology of extra-high voltage XLPE cable lines.

CE/SC : 21, Publié/Published : 1994, Session paper, Ref. No. : 21-106, Power supply for the city of Berlin: are 380 kV XLPE cables a safe alternative to long-time proved LPOF cables?.


CE/SC : 21, Publié/Published : 1994, Session paper, Ref. No. : 21-204, 400 kV flat-type oil-filled cable for KONTEK HVDC interconnection Denmark/Germany.


CE/SC : 21, Publié/Published : 1994, Session paper, Ref. No. : 21-301, Conception, fabrication and installation of +/- 500 kV DC oil-filled cables for the underwater crossing of the St-Lawrence River.


1996


CE/SC : 21, Publié/Published : 1996, Session paper, Ref. No. : 21-201, Development of a 420 kV XLPE cable system for the metropolitan power project in Copenhagen.

CE/SC : 21, Publié/Published : 1996, Session paper, Ref. No. : 21/22-06, Installation of 300 kV HVAC underground power cable. Part of the main power supply for Kollsnes gas treatment plant, Troll Phase I onshore plant and Troll Phase I power offshore cable.


CE/SC : 21, Publié/Published : 1996, Session paper, Ref. No. : 21/22-08, Development and research activities on the cryogenic power transmission cable in Korea.


CE/SC : 21, Publié/Published : 1996, Session paper, Ref. No. : 21/22-03, Modernization of the high voltage transmission in Denmark.


CE/SC : 21, Publié/Published : 1996, Session paper, Ref. No. : 21-203, Studies and development in France of 400 kV cross linked polyethylene cable systems.


CE/SC : 21, Publié/Published : 1996, Session paper, Ref. No. : 21-303, Troll Phase I power and communication cable. The world's first offshore platform energised from the mainland by a submarine cable link.

CE/SC : 21, Publié/Published : 1996, Session paper, Ref. No. : 21-304, Qualification test programme for the 400 kV HVDC deep water interconnection between Italy and Greece.

CE/SC : 21, Publié/Published : 1996, Session paper, Ref. No. : 21/22-09, Bulk power transmission by overhead lines or cable: comparative assessment and principles adopted in Belgium for the future development of the HV network.

1998

CE/SC : 21, Publié/Published : 1998, Session paper, Ref. No. : 21-101, Prequalification testing of 345 kV extruded insulation cable system

CE/SC : 21, Publié/Published : 1998, Session paper, Ref. No. : 21-102, 275 kV XLPE cable project for upgrading supply to the City of Cairns, Far North Queensland.


CE/SC : 21, Publié/Published : 1998, Session paper, Ref. No. : 21-202, Design, development and testing of the first factory-made high temperature superconducting cable for 115 kV.


2000


CE/SC : 21, Publié/Published : 2000, Session paper, Ref. No. : 21-106 Construction of the world's first long-distance 500 kV XLPE cable line
CE/SC : 21, Publié/Published : 2000, Session paper, Ref. No. : 21-201 Condition assessment of water treed service aged XLPE cables by dielectric response measurements
CE/SC : 21, Publié/Published : 2000, Session paper, Ref. No. : 21-202 Cable installation: state of the art for the installation and installation design of HV and EHV cable systems
CE/SC : 21, Publié/Published : 2000, Session paper, Ref. No. : 21-203 Learning from high voltage XLPE cable system testing and monitoring
CE/SC : 21, Publié/Published : 2000, Session paper, Ref. No. : 21-204 Analysis of temperatures and daily field data on the soil thermal parameters of operating circuits
CE/SC : 21, Publié/Published : 2000, Session paper, Ref. No. : 21-205 Design and development of cold dielectric (CD) high temperature superconducting cable systems for bulk power transmission at voltages up to 225 kV
CE/SC : 21, Publié/Published : 2000, Session paper, Ref. No. : 21-301 400 kV 700 MW fluid filled submarine cables for the Spain and Morocco interconnection
CE/SC : 21, Publié/Published : 2000, Session paper, Ref. No. : 21-302 High power development raises mind technology to 1000 MW and further
CE/SC : 21, Publié/Published : 2000, Session paper, Ref. No. : 21-303 The breakdown mechanism of HVDC mass impregnated cable
CE/SC : 21, Publié/Published : 2000, Session paper, Ref. No. : 21-304 Installation of 500 kV DC submarine cable in Japan
CE/SC : 21, Publié/Published : 2000, Session paper, Ref. No. : 21/23/33-01 Dimensioning criteria and test results for a polymer enclosed gas insulated line
CE/SC : 21, Publié/Published : 2000, Session paper, Ref. No. : 21/23/33-02 Development of a directly buried 400 kV gas insulated line technology
CE/SC : 21, Publié/Published : 2000, Session paper, Ref. No. : 21/23/33-03 Electrical and mechanical long time behaviour of gas-insulated transmission lines

2002

CE/SC : 21, Publié/Published : 2002, Session paper, Ref. No. : 21-102 Auckland CBD reinforcement project - Cable installation in New Zealand tunnel
CE/SC : 21, Publié/Published : 2002, Session paper, Ref. No. : 21-104 Prequalification test experience on EHV XLPE cable systems
CE/SC : 21, Publié/Published : 2002, Session paper, Ref. No. : 21-105 Reliable HV and EHV XLPE cables
CE/SC : 21, Publié/Published : 2002, Session paper, Ref. No. : 21-106 Dry type outdoor termination with new stress control management
CE/SC : 21, Publié/Published : 2002, Session paper, Ref. No. : 21-107 Application on cable installation technologies with link mechanisms on long bridges in Korea
CE/SC : 21, Publié/Published : 2002, Session paper, Ref. No. : 21-108 Technical issues regarding the integration of HV AC underground cables systems in the network
CE/SC : 21, Publié/Published : 2002, Session paper, Ref. No. : 21-110 Compact 170 kV transition joint
CE/SC : 21, Publié/Published : 2002, Session paper, Ref. No. : 21-111 Water cooled 345 kV solid dielectric cable system
CE/SC : 21, Publié/Published : 2002, Session paper, Ref. No. : 21-201 A novel approach to long buried AC transmission system
CE/SC : 21, Publié/Published : 2002, Session paper, Ref. No. : 21-202 Verification tests of a 66 kV high TC superconducting cable system for practical use
CE/SC : 21, Publié/Published : 2002, Session paper, Ref. No. : 21-203 Research and development of DC +/- 500 kV extruded cables
CE/SC : 21, Publié/Published : 2002, Session paper, Ref. No. : 21-204 N2/SF6 gas insulated line of a new GIL generation in service
Design, installation and operation of world's first high temperature superconducting power cable in a utility power network

Integrated return conductor cable

PD measurements as a tool in upgrading the transmission capacity of the Fenno-Skan HVDC cable
2004

CE/SC : B1, Publié/Published : 2004, Session paper, Ref. No. : B1-101
Current cable practices in power utilities. A report on the recent AORC – CIGRE Panel Regional Workshop in Malaysia

CE/SC : B1, Publié/Published : 2004, Session paper, Ref. No. : B1-102
EHV XLPE cable systems up to 400 kV – More than 10 years field experience

CE/SC : B1, Publié/Published : 2004, Session paper, Ref. No. : B1-103
New generation of GIL – Characteristics and applications

CE/SC : B1, Publié/Published : 2004, Session paper, Ref. No. : B1-104
Testing of extruded cables: Experience in type testing, PQ testing and test after installation. What do we learn from it?

CE/SC : B1, Publié/Published : 2004, Session paper, Ref. No. : B1-105
Development of high stress XLPE cable system

CE/SC : B1, Publié/Published : 2004, Session paper, Ref. No. : B1-106
On-site PD detection at cross bonding links of HV cables

CE/SC : B1, Publié/Published : 2004, Session paper, Ref. No. : B1-107
550 kV Gas Insulated transmission Line for high power rating in Thailand

CE/SC : B1, Publié/Published : 2004, Session paper, Ref. No. : B1-108
1600 MVA electrical power transmission with an EHV XLPE cable system in the underground of London

Entirely synthetic terminations for Extra High Voltage cables

CE/SC : B1, Publié/Published : 2004, Session paper, Ref. No. : B1-110
Trends in degradation diagnostic technique for XLPE cables in Japan

CE/SC : B1, Publié/Published : 2004, Session paper, Ref. No. : B1-111
Higher stress designed XLPE insulated cable in Japan

CE/SC : B1, Publié/Published : 2004, Session paper, Ref. No. : B1-112
Slim cables, compact cross bonding and corrected distance protection

CE/SC : B1, Publié/Published : 2004, Session paper, Ref. No. : B1-201
Improved operation of cables connecting offshore wind farms to the power grid

CE/SC : B1, Publié/Published : 2004, Session paper, Ref. No. : B1-301
Strategic sharing of pipeline assets and rights of way with underground power cables and optical fiber cables

CE/SC : B1, Publié/Published : 2004, Session paper, Ref. No. : B1-302
330 kV cable system for the Metrogrid project in Sydney - Australia

CE/SC : B1, Publié/Published : 2004, Session paper, Ref. No. : B1-303
Modern installation techniques in High Voltage cable systems in the Netherlands

CE/SC : B1, Publié/Published : 2004, Session paper, Ref. No. : B1-304
Long length EHV underground cable systems in the transmission network

CE/SC : B1, Publié/Published : 2004, Session paper, Ref. No. : B1-305
Double 150 kV link, 32 long in Belgium : Design and construction

CE/SC : B1, Publié/Published : 2004, Session paper, Ref. No. : B1-306
Power transmission over long distances with cables

2006

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-101
400 kV Vienna, the Vienna 400 kV north input

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-102
Development of cable products and systems in China in recent years

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-103
Supply of islands through long distance submarine cables: Problems and prospects (Case study: Cycladic interconnection).

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-104
Demonstration and verification test results of 500-m HTS power cable
CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-105
A.C. Ultra long distance XLPE submarine cable interconnection to island

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-106
Development of Superconducting cable system for bulk power delivery

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-107
Development of a new 380 kV double circuit XLPE insulated cable system in The Netherlands

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-108
On-site partial discharge measurement and commissioning test: the experience

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-109
Improved productivity for power cable manufacture

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-110
Three core HV XLPE Submarine cables for offshore applications

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-111
Thermo-mechanical design of XLPE insulated HV and EHV cables installed in duct manhole and pipe systems

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-201
High Voltage OF (Oil Filled) Cables – Optimization of the time for grounding considering safety aspects

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-202
Development of one specialist system to determine the dynamic current capacity of underground transmission lines with XLPE cables

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-203
Application of distributed fibre optic temperature sensing on BC HYDRO's 525kV submarine cable system

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-204
Report on the use of extruded cables on the French grid

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-205
On-site PD diagnosis on power cables using oscillating voltages

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-206
Fault location algorithm for underground power cables using analytic method

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-207 see reference B1-305

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-208
Vortex induced vibration on submarine cables

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-209
Diagnostic testing of High Voltage water treed XLPE cables

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-210
Thermal monitoring of High Voltage cables

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-211 4
00 kV underground cables in rural areas

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. :B1-301
A new procedure to compare the social costs of EHV-HV overhead lines and underground XLPE cables

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-302
The new Turbigo-Rho 380 kV transmission line: an example of the use of underground XLPE cables in a meshed transmission grid

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-303
Recent installation technology for XLPE cable in Japan

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-304
ITALY-AUSTRIA GIL in the new planned railway galleries Fortezza-Innsbruck under Brenner pass

CE/SC : B1, Publié/Published : 2006, Session paper, Ref. No. : B1-305
A dynamic rating system for an existing 150 kV power connection consisting of an overhead line and an underground power cable

2008

Short circuit tests and the results on metal sheaths, screens and hybrid sheaths

CE/SC : B1, Publié/Published : 2008, Session paper, Ref. No. : B1-102
Computation of the current rating in underground installations with multiple cables

CE/SC : B1, Publié/Published : 2008, Session paper, Ref. No. : B1-103
Crossing of the Reconquista River in Buenos Aires with a 132 kV underground cable installation

12/18
CE/SC : B1, Publié/Published : 2008, Session paper, Ref. No. : B1-104
Qualification test program for the 1000 MW- 500 kV HVDC very-deep water submarine cable interconnection between Sardinia Island and Italian peninsula (SA.PE.I)

CE/SC : B1, Publié/Published : 2008, Session paper, Ref. No. : B1-105
CANCELLED - NorNed – a 580 km submarine HVDC cable link

CE/SC : B1, Publié/Published : 2008, Session paper, Ref. No. : B1-106
500 kV power supply cable project for city central zone of Shanghai

CE/SC : B1, Publié/Published : 2008, Session paper, Ref. No. : B1-107
Operating experience of 13.2 kV superconducting cable system at AEP Bixby station

Type test result for 22.9 kV 50 MVA HTS cable system in Korea

CE/SC : B1, Publié/Published : 2008, Session paper, Ref. No. : B1-201
Assessment of overvoltage hazard for the polymer insulation of medium voltage electricity distribution cables

CE/SC : B1, Publié/Published : 2008, Session paper, Ref. No. : B1-202
Experience of CPRI in very low frequency tan delta testing and condition monitoring of medium voltage polymeric cables

CE/SC : B1, Publié/Published : 2008, Session paper, Ref. No. : B1-203
Application of UHF method for on-line PD diagnostics of cable terminations

CE/SC : B1, Publié/Published : 2008, Session paper, Ref. No. : B1-204
CANCELLED - Condition–based maintenance of XLPE cable systems by time domain spectroscopy (TDS)

CE/SC : B1, Publié/Published : 2008, Session paper, Ref. No. : B1-205
On-line partial discharge (PD) spot testing and monitoring of high voltage cable sealing ends

CE/SC : B1, Publié/Published : 2008, Session paper, Ref. No. : B1-301
Qualification of transition joint between oil--filled paper insulated cable and XLPE insulated cable for the 150 kV Belgian network

CE/SC : B1, Publié/Published : 2008, Session paper, Ref. No. : B1-302
132 kV and 220 kV cable installation in highly urbanized zones

CE/SC : B1, Publié/Published : 2008, Session paper, Ref. No. : B1-303
HV-EHV transition joints : a solution to optimize the cable route

CE/SC : B1, Publié/Published : 2008, Session paper, Ref. No. : B1-304
HVDC Light cable system extended to 320 kV

CE/SC : B1, Publié/Published : 2008, Session paper, Ref. No. : B1-305
IES-cables - power cables with integrated electromagnetic shielding

CE/SC : B1, Publié/Published : 2008, Session paper, Ref. No. : B1-306
Extension of AC cable transmission distance through application of an EMF self-cancelling three-phase, six-core cable configuration

CE/SC : B1, Publié/Published : 2008, Session paper, Ref. No. : B1-307
Optimizing cable layout for long length high temperature superconducting cable systems

CE/SC : B1, Publié/Published : 2008, Session paper, Ref. No. : B1-308
Compatibility between electrical energy transmission lines and new railway infrastructures

CE/SC : B1, Publié/Published : 2008, Session paper, Ref. No. : B1-309
Progress in the mastering of the environmental impact of an underground link

CE/SC : B1, Publié/Published : 2008, Session paper, Ref. No. : B1-310
Active and reactive power operation area of insulated cables

CE/SC : B1, Publié/Published : 2008, Session paper, Ref. No. : B1-311
Development of HVDC insulation-extruded cables with coaxially-integrated return conductor considering environmental and economic advantages

2010


CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-102 The new technologies for replacement and uprating of EHV cable lines in Japan
S. TSUCHIYA, T. KIGUCHI, M. NISHIUCHI, S. KATAKAI, T. NAKAJIMA, M. OWASHI

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-103 Experiences in manufacturing, testing, installing and operating of 500 kV cable systems including PD monitoring
A. AVILA
CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-104 HVAC submarine cable links between Italy and Malta. Feasibility of the project and system electrical design studies
L. COLLA, M. GABRIELI, A. ILICETO, M. REBOLINI, B. ZECCA, P. GRIMA, J. VASSALLO, S. LAURIA

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-105 NorNed - world’s longest power cable
M. JEROENSE, M. LARSSON-HOFFSTEIN, C. SONSESSON, O. ELLEFSEN, T. TVEIT

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-106 200 kV DC extruded cables crossing the San Francisco Bay
M. BACCHINI, R. GRAMPA, M. MARELLI, T. WESTERWELLER, D. PARQUET, S. WEHN, D. LORDEN

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-107 HVAC submarine cable links between Italy and Malta. Feasibility of the project and system electrical design studies
L. COLLA, M. GABRIELI, A. ILICETO, M. REBOLINI, B. ZECCA, P. GRIMA, J. VASSALLO, S. LAURIA

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-108 Transition joints for connection of fluid filled to extruded cables from 33 kV to 400 kV
J.G. HEAD, R. LEWIS, D. QUAGGIA, H. GEENE

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-109 Re-empowerment of 132 kV OF cables - Situation analysis
A. VILLAFANE, L. BEITONE, A. MEDAGLIA, I. RUIZ

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-110 HV AC power transmission to the Gjøa platform
M. JEROENSE, M. LARSSON-HOFFSTEIN, C. SONSESSON, O. ELLEFSEN, T. TVEIT

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-111 High voltage power cables in Brazil

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-112 Statistic of failures on underground high voltage power cables in Brazil

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-113 Implementation and operation of a cable monitoring system in order to increase the capacity of a 220 kV underground cable
M. SCHMALE, R. PUFFER

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-114 Development of the HVDC ±250 kV MI submarine cable system in KOREA

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-115 34.5 kV submarine cables from Playa del Carmen to Cozumel Island, Mexico. Corrosion specification and operative experiences
H. A. FLORES

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-116 Power loss and inductance of steel armoured three-core cables: comparison of "2.5D" FEA results and measurements
J.J. BREMNES, G. EVENSET, R. STØLAN

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-117 Fixing arrangements and accessories for flexibly installed HV cable systems in underground cable tunnels
A. BOOTH, A. HANEKOM

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-118 Fixing arrangements and accessories for flexibly installed HV cable systems in underground cable tunnels
A. BOOTH, A. HANEKOM

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-119 Minimising the impact on water resources when making, installing and operating an underground high voltage cable system
P. MIREBEAU, P. ARGAUT, L. BÉNARD

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-201 Study of direct burial of high voltage underground cables
P. HONDAA, N. BOUDINET, X. BOURGEAT, C. MOREAU

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-202 Minimising the impact on water resources when making, installing and operating an underground high voltage cable system
P. MIREBEAU, P. ARGAUT, L. BÉNARD

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-203 Assessment and technical trend for high reliable XLPE cable accessories for transmission line in Japan
S. TSUCHIYA, S. UMEDA, S. NISHIKAWA, K. KIGUCHI, S. GOTOH, G. OKAMOTO

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-204 Upgrading of existing 400 kV FF HV cable link by redesigning and implementing forced cooling apparatuses in Vienna
G. SVEJDA, M. WANDA, R. GASPARI, M. BECHIS

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-301 Full-scale test on a 100 km, 150 kV AC Cable
F. FARIA DA SILVA, W. WIECHOWSKI, C. LETH BAK, U. STELLA GUDMUNDSDOTTIR
CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-302 A new concept for test equipment for testing large HV and UHV cables on-site
P. MOHAUPT, A. BERGMAN

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-303 Experience of withstand testing of cable systems in the USA

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-304 On-site commissioning test and diagnostics of 220 kV XLPE cable system
M.M. AWAD, F. TAHOUN, A. EL FARASKOURY, O.E. GOUDA

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-305 Use of on-line UWB PD techniques to evaluate a 161 kV underground cable after repetitive joint failures
V.R. EZ URAN, F. ALVAREZ, J.L. VALLEJO, A. GUERRA

CE/SC : B1, Publié/Published : 2010, Session paper, Ref. No. : B1-306 Partial discharge monitoring system for high voltage cables
F. GARNACHO, M.A. SANCHEZ URAN, F. ALVAREZ, J.L. VALLEJO, A. GUERRA

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CE/SC : B1, Publié/Published : 2012, Session paper, Ref. No. : B1-101 The realization and commissioning of the ±500 kV 1000 MW HVDC link Sardinia Island – Italian Peninsula (SAPEI)

CE/SC : B1, Publié/Published : 2012, Session paper, Ref. No. : B1-102 Reduction of magnetic field levels on joint pits
I. RUEZ, N. PALLERO, A. VILLAFANE, A. MEDAGLIA

CE/SC : B1, Publié/Published : 2012, Session paper, Ref. No. : B1-103 The cork harbour 220 kV submarine cable project
R. DONAGHY, B. KNUTSEN, B. MULLINS, A.N. OTHER

CE/SC : B1, Publié/Published : 2012, Session paper, Ref. No. : B1-104 Availability and risk assessment of 380 kV cable systems in transmission grids

CE/SC : B1, Publié/Published : 2012, Session paper, Ref. No. : B1-105 Guide to sheath bonding design, in distribution and transmission lines with HV underground cables
F. GARNACHO, A. KHAMILCHI, P. SIMON, A. GONZALEZ

CE/SC : B1, Publié/Published : 2012, Session paper, Ref. No. : B1-106 Renovation of "Manzanillo I" - The Mexican largest power transmission network of 400 kV with XLPE cable systems: design and construction
F.G. IBARRA, C.F. FUENTES, J.T. ARRIAGA, M. MAMMERI

CE/SC : B1, Publié/Published : 2012, Session paper, Ref. No. : B1-107 "Overhead to underground transmission line couplings" - Technical recommendations to Brazilian utilities


CE/SC : B1, Publié/Published : 2012, Session paper, Ref. No. : B1-109 EHV cable installation technology for tunnel and duct in Japan
S. TSUCHIYA, T. MATSUI, T. IIDA, T. NAKAJIMA, Y. AKIYA, T. KURODA

CE/SC : B1, Publié/Published : 2012, Session paper, Ref. No. : B1-201 Experiences with commissioning and maintenance testing of solid dielectric HV and EHV cable circuits
M. FENGER, M. CREMLAND, H. SEDDING

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I. TURNOWSKA, J. COTÉ, A. GAUDREAU, P. GINGRAS

CE/SC : B1, Publié/Published : 2012, Session paper, Ref. No. : B1-203 Parametric sensitivity analysis of the innovative enlargement law for extruded HVDC cables
M. MARZINOTTO, G. MAZZANTI

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P. MOHAUPT, T. MEHL, A. BERGMAN, S. BERGMAN, A. BERGMAN, W. KEMMETMÜLLER, S. EBERHARTER, A. KUGI

CE/SC : B1, Publié/Published : 2012, Session paper, Ref. No. : B1-205 Operational experience of dynamic cable rating
E. JACOBSEN, J.F. NIELSEN, S.T. SALWIN, A. MOHRS, K.H. COHenen

CE/SC : B1, Publié/Published : 2012, Session paper, Ref. No. : B1-206 Application of diagnostics based on partial discharge measurements to assess the technical condition of PILC insulated MV cables
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S. MEIJER, F.H. DE WILD, G.R. KUK, J. TER HAAR, R. ROSS, V. WASCHK

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B. KLEBO-ESPE, L. BJERKE, U.S. GUDMUNDSDOTTIR, T. KVARTS

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M. BAWART, M. MARZINOTTO, G. MAZZANTI

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B. HENNUY, P. LEEMANS, B. MAMPAE, M. BURCEANU, J. VAN SLYCKEN

CE/SC : B1, Publié/Published : 2014, Session paper, Ref. No. : B1-204 Combination of Withstand Voltage Testing by Variable-frequency Resonance and Partial Discharge Testing under Damping AC for Power Cable in Field
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CE/SC : B1, Publié/Published : 2014, Session paper, Ref. No. : B1-205 Experience of partial discharge with IEC type testing and after installation testing for extruded cables
A. ELFARASKOURY, O. GOUDA, M. MOKHTAR, M. MEHANNA

CE/SC : B1, Publié/Published : 2014, Session paper, Ref. No. : B1-206 Experiences of PD Measurements on HV Cable Systems Installed
F. GARNACHO

CE/SC : B1, Publié/Published : 2014, Session paper, Ref. No. : B1-207 REE’s experience in predictive maintenance, based on the monitoring of shield currents in high voltage underground cables
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N. SINGH, S. SINGH, R. REYES, B. CHOMA, M. UZELAC, K. ZHOU, T. ZHAO

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C.F. JENSEN, C. L. BAK, U.S. GUDMUNDSDOTTIR

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CE/SC : B1, Publié/Published : 2014, Session paper, Ref. No. : B1-301 PACA safety network – a prototype for transmission cables in the network
F. LESUR, P. MIJBREAU, M. MAMMERI, L. BENARD, J. SANTANA

CE/SC : B1, Publié/Published : 2014, Session paper, Ref. No. : B1-302 Specific challenges of the development of submarine cable systems for Mediterranean interconnectors with depths up to 2500 meters
P. ADAM, E. COLOMBO, C. MARCHANT, J. HUNT
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M. STEMMLE, F. MERSCHEL, M. NOE, A. HOBL, N. LALLOUET


T. MIMURA, S. HONJO, T. MASUDA, A. MACHIDA, T. HARA

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