



## Câbles isolés à haute tension

### HV insulated cables

#### Publications in **ELECTRA**

#### SC 21 (1969 – 2001)

**CE/SC : 21**, Publié/Published : 1969, Electra, **Ref. No. : 11**, Experience with discharge detection techniques for cables

**CE/SC : 21**, Publié/Published : 1969, Electra, **Ref. No. : 8**, Discharge measurement in long lengths of cable. Prevention of errors due to superposition of travelling waves.

**CE/SC : 21**, Publié/Published : 1969, Electra, **Ref. No. : 11.1**, Significance of discharge detection

**CE/SC : 21**, Publié/Published : 1969, Electra, **Ref. No. : 11.2**, Recognition of discharges

**CE/SC : 21**, Publié/Published : 1972, Electra, **Ref. No. : 21**, Elimination of interference in discharge detection

**CE/SC : 21**, Publié/Published : 1972, Electra, **Ref. No. : 24.1**, Current ratings of cables for cyclic and emergency loads

**CE/SC : 21**, Publié/Published : 1972, Electra, **Ref. No. : 24**, Recommendations for mechanical test on submarine cables

**CE/SC : 21**, Publié/Published : 1973, Electra, **Ref. No. : 28**, The design of specially bonded cable systems

**CE/SC : 21**, Publié/Published : 1974, Electra, **Ref. No. : 33**, The Weibull distribution. Effect of length and conductor size of test cables

**CE/SC : 21**, Publié/Published : 1974, Electra, **Ref. No. : 32**, Recommendations for tests on DC cables for a rated voltage up to 550 kV

**CE/SC : 21**, Publié/Published : 1975, Electra, **Ref. No. : 39**, Location of discharges in cables

**CE/SC : 21**, Publié/Published : 1976, Electra, **Ref. No. : 44**, Current ratings of cables for cyclic and emergency loads (Part 2)

**CE/SC : 21**, Publié/Published : 1976, Electra, **Ref. No. : 47**, The design of specially bonded cable systems (Second part)

**CE/SC : 21**, Publié/Published : 1977, Electra, **Ref. No. : 55**, Water treeing in cables with extruded insulation

**CE/SC : 21**, Publié/Published : 1979, Electra, **Ref. No. : 66.1**, Erratum : The calculation of continuous ratings for forced cooled cables

**CE/SC : 21**, Publié/Published : 1979, Electra, **Ref. No. : 66**, The calculation of continuous ratings for forced cooled cables

**CE/SC : 21**, Publié/Published : 1980, Electra, **Ref. No. : 68**, Recommendations for mechanical tests on submarine cables

**CE/SC : 21**, Publié/Published : 1980, Electra, **Ref. No. : 72**, Recommendations for tests of power transmission DC cables for a rated voltage up to 600 kV.

**CE/SC : 21**, Publié/Published : 1981, Electra, **Ref. No. : 75**, Recommendations for tests of anti corrosion coverings of self contained pressure cables and accessories and equipment for especially bonded circuits

**CE/SC : 21**, Publié/Published : 1981, Electra, **Ref. No. : 77**, Guide to special earthing devices for use with cathodic protected pipe type cables

**CE/SC : 21**, Publié/Published : 1982, Electra, **Ref. No. : 84**, The conditions controlling the drying out of soil around power cables

**CE/SC : 21**, Publié/Published : 1983, Electra, **Ref. No. : 87**, Computer method for the calculation of the response of single core cables to a step function thermal transient

**CE/SC : 21**, Publié/Published : 1983, Electra, **Ref. No. : 89**, Transient pressure variations in submarine cables of the self contained oil filled type

**CE/SC : 21**, Publié/Published : 1983, Electra, **Ref. No. : 90**, Forced cooling of cable joints and terminations

**CE/SC : 21**, Publié/Published : 1983, Electra, **Ref. No. : 86**, Dyeing methods used for detection of water trees in extruded cable insulation

**CE/SC : 21**, Publié/Published : 1984, Electra, **Ref. No. : 92**, Results of questionnaire on reliability of forced cooled cable installations

**CE/SC : 21**, Publié/Published : 1984, Electra, **Ref. No. : 94**, Compressed gas insulated cables in use internationally

**CE/SC : 21**, Publié/Published : 1985, Electra, **Ref. No. : 98**, The calculation of the effective external thermal resistance of cables laid in materials having different thermal resistivities

**CE/SC : 21**, Publié/Published : 1986, Electra, **Ref. No. : 104.1**, Forced cooled cables. Calculation of thermal transients and cyclic loads

**CE/SC : 21**, Publié/Published : 1986, Electra, **Ref. No. : 106**, Calculation of the continuous rating of single core rigid type compressed gas insulated cables in still air with solar radiation

**CE/SC : 21**, Publié/Published : 1986, Electra, **Ref. No. : 104**, Current ratings of cables buried in partially dried out soil Part I : Simplified method that can be used with minimal soil information : 100 percent load factor

**CE/SC : 21**, Publié/Published : 1987, Electra, **Ref. No. : 113**, The calculation of continuous rating for forced cooled high pressure oil filled pipe type cables. See also Erratum in Electra, Ref. N°119.

**CE/SC : 21**, Publié/Published : 1988, Electra, **Ref. No. : 120**, On site dielectric testing of AC compressed gas insulated cables

**CE/SC : 21**, Publié/Published : 1988, Electra, **Ref. No. : 119**, Erratum : The calculation of continuous rating for forced cooled high pressure oil filled pipe type cables (Electra 113)

**CE/SC : 21**, Publié/Published : 1989, Electra, **Ref. No. : 125.1**, Calculation of the continuous rating of three-core rigid type compressed-gas insulated cables in still air and buried

**CE/SC : 21**, Publié/Published : 1989, Electra, **Ref. No. : 127.1**, Review of long term field tests of compressed gas insulated cables (CIG).

**CE/SC : 21**, Publié/Published : 1989, Electra, **Ref. No. : 125**, Characterization test and classification procedure for water tree aged medium voltage cables.

**CE/SC : 21**, Publié/Published : 1989, Electra, **Ref. No. : 127**, Application of Weibull distribution to the study of power cable insulation.

**CE/SC : 21**, Publié/Published : 1990, Electra, **Ref. No. : 128.1**, Guide to the protection of specially bonded cable systems against sheath overvoltages.

**CE/SC : 21**, Publié/Published : 1990, Electra, **Ref. No. : 128**, The steady-state thermal behaviour of accessories for cooled cable systems.

**CE/SC : 21**, Publié/Published : 1991, Electra, **Ref. No. : 137**, Survey of the service performance on HV AC cables.

**CE/SC : 21**, Publié/Published : 1991, Electra, **Ref. No. : 139**, Working gradient of HV and EHV cables with extruded insulation and its effect.

**CE/SC : 21**, Publié/Published : 1991, Electra, **Ref. No. : 135**, ADDENDUM to the Paper The calculation of continuous rating of forced-cooled high pressure oil-filled pipe-type cables. Published in Electra No.113/1987

**CE/SC : 21**, Publié/Published : 1992, Electra, **Ref. No. : 143**, Calculation of temperatures in ventilated cable tunnels. Part I.

**CE/SC : 21**, Publié/Published : 1992, Electra, **Ref. No. : 141.1**, Service experience of HV cables with laminated protective covering.

**CE/SC : 21**, Publié/Published : 1992, Electra, **Ref. No. : 145.1**, Methods for calculating cyclic ratings for buried cables with partial drying of the surrounding soil.

**CE/SC : 21**, Publié/Published : 1992, Electra, **Ref. No. : 144**, Calculation of temperatures in ventilated cable tunnels. Appendices I to IV. See also Erratum in Electra 209, page 47.

**CE/SC : 21**, Publié/Published : 1992, Electra, **Ref. No. : 140**, Consideration of ageing factors in extruded insulation cables and accessories.

**CE/SC : 21**, Publié/Published : 1992, Electra, **Ref. No. : 141**, Guidelines for tests on high voltage cables with extruded insulation and laminated protective coverings.

**CE/SC : 21**, Publié/Published : 1992, Electra, **Ref. No. : 145**, Determination of a value of critical temperature rise for a cable backfill material.

**CE/SC : 21**, Publié/Published : 1993, Electra, **Ref. No. : 151.1**, Recommendations for electrical tests type, sample and routine on extruded cables and accessories at voltages > 150 (170) kV and <= 400 (420) kV.

**CE/SC : 21**, Publié/Published : 1993, Electra, **Ref. No. : 151**, Recommendations for electrical tests - prequalification and development on extruded cables and accessories at voltages > 150 (170) kV and <= 400 (420) kV.

**CE/SC : 21**, Publié/Published : 1994, Electra, **Ref. No. : 156**, Laying and installation of HV extruded cable systems. Literature evaluation - Data comparison.

**CE/SC : 21**, Publié/Published : 1994, Electra, **Ref. No. : 157**, Prevention of termite attack on HV power cables.

**CE/SC : 21**, Publié/Published : 1996, Electra, **Ref. No. : 169**, Criteria for electrical stress design of HV cables

**CE/SC : 21**, Publié/Published : 1997, Electra, **Ref. No. : 171**, Recommendations for mechanical tests on submarine cables.

**CE/SC : 21**, Publié/Published : 1997, Electra, **Ref. No. : 173**, After laying tests on high voltage extruded insulation cable systems.

**CE/SC : 36 & 21**, Publié/Published : 1997, Electra, **Ref. No. : 174**, Magnetic fields calculation in underground cable systems with ferromagnetic components

**CE/SC : 21**, Publié/Published : 1998, Electra, **Ref. No. : 176**, Diagnostic methods for HV paper cables and accessories

**CE/SC : 21**, Publié/Published : 2000, Electra, **Ref. No. : 189**, Electra 72 : Revision 980325 + Editorial amendments 000113

**CE/SC : 21**, Publié/Published : 2000, Electra, **Ref. No. : 189**, Recommendations for testing of long submarine cables with extruded insulation for voltage from 30 (36) to 150 (170) kV. Revision 990811 + Editorial amendments 000113

**CE/SC : 21**, Publié/Published : 2000, Electra, **Ref. No. : 189**, Recommendations for tests of power transmission DC cables for a rated voltage up to 800 kV (revision of Electra 72/1980)

**CE/SC : 21**, Publié/Published : 2000, Electra, **Ref. No. : 189**, Recommendations for testing of long AC submarine cables with extruded insulation for system voltage from 30 (36) to 150 (170) kV. Revision 990811 + Editorial amendments 000113

**CE/SC : 21**, Publié/Published : 2000, Electra, **Ref. No. : 193**, High temperature superconductor applications in electrical power systems

**CE/SC : 21**, Publié/Published : 2001, Electra, **Ref. No. : 198**, Construction, Laying and Installation techniques for Extruded and Self Contained Fluid Filled Cable systems