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Titolo	Accessories for HV and EHV Extruded Cables : Volume 2: Land and Submarine AC/DC Applications // edited by Pierre Argaut
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ISBN	9783030804060 9783030804053
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (704 pages)
Collana	CIGRE Green Books, , 2367-2633
Disciplina	621.31934
Soggetti	Electric power production Electric power distribution Electrical Power Engineering Energy Grids and Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Guidelines for safe work on AC cable systems under induced voltages or current -- Recommendations for testing of long AC Submarine Cables with Extruded Insulation for System Voltage above 30(36) to 500 (550) kV -- Accessories in Transitions from Overhead to Underground -- Accessories in Large Cross-Section Cable Systems -- Recommendations for mechanical testing of submarine cables and their accessories -- Recommendations for testing DC extruded cable systems for power transmission at a rated voltage up to 500 kV -- Recommendations for Testing DC Transition Joints for Power Transmission at a Rated Voltage up to 500kV -- Surge Voltage Limiters and Link Boxes -- Maintenance and remaining life management of accessories -- New Work Items.
Sommario/riassunto	This CIGRE Green book on accessories for HV and EHV extruded cables covers relevant issues in cable system design, cable design, and submarine cables, including offshore generation connection. It provides comprehensive and unbiased information, essential recommendations and guidelines for design, installation, testing and maintenance of accessories to professionals through the exceptional expertise of the

authors. The publication is divided in two volumes covering land and submarine applications, HVAC and HVDC systems, and transitions from lapped cable systems to extruded cable systems, from OHL to UG cables and from cables to substations. It equips the reader with recommendations for testing, installation, maintenance, and remaining life management. This volume is dedicated to Land and Submarine AC/DC Applications while Volume 1 deals with Components. The book compiles the results of the work achieved by several Working Groups and Task Forces of CIGRE Study Committee 21/B1, and Joint Working Groups and Joint Task Forces with other Study Committees. Many experts from Study Committees 21/B1 (Insulated Cables), 15/D1 (Materials and Emerging Test Techniques), 33/B3 (Substations), C3 (System Environmental Performance), and C4 (System Technical Performance) have participated in this work in the last 30 years in order to offer comprehensive, continuous, and consistent outputs.
