

1. Record Nr.	UNINA9910484272103321
Titolo	Accessories for HV and EHV extruded cables . Volume 1 Components / / Pierre Argaut, editor
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] ©2021
ISBN	3-030-39466-2
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (215 illus., 129 illus. in color. eReference.)
Collana	CIGRE Green Books
Disciplina	621.31934
Soggetti	Electric cables Electric cables - Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Compendium of Accessory Types Used for AC HV Extruded Cables -- A Guide to the Selection of Accessories -- Interfaces in Accessories for Extruded HV and EHV Cables -- Qualification Procedures for HV and EHVAC Extruded Underground Cable Systems -- Cable Accessory Workmanship on Extruded High Voltage Cables -- Guidelines for Maintaining the Integrity of Extruded Cable Accessories -- Feasibility of a Common, Dry Type Plug-in Interface for GIS and Power Cables above 52 kV -- Test Procedures for HV Transition Joints for Rated Voltages 30 kV up to 500 kV -- Thermal Ratings of HV Cable Accessories -- Test Regimes for HV and EHV Cable Connectors -- Standard Design of a Common, Dry Type Plug-in Interface for GIS and Power Cables up to 145 kV.
Sommario/riassunto	This CIGRE Green book on accessories for HV and EHV extruded cables covers relevant issues in cable system design, cable design, submarine cables including off shore 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. This publication is divided in two Volumes covering land and submarine applications, HVAC and HVDC systems, 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, remaining life management. This Volume is dedicated to Components while Volume 2 deals with Land and Submarine AC/DC Applications. 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.
