



Insight into High Voltage XLPE Cable Systems, Cables and Accessories – General Overview

Targets

Understand the basic physics and the technical relationships around XLPE AC high and extra high voltage cable systems

Learn more about

- Design of high and extra high voltage cables and accessories and their materials
- Be aware of the standards, guides and international best practices
- Calculations and fixations of cable systems
- Accessories & Add-ons
- Screen earthing concepts and laying variants
- On-site testing of cable systems
- Gain confidence to properly apply concepts to your networks

Content

- History of cables systems
- Rating XLPE cable: cable vs. overhead line, XLPE vs. oil-filled cable
- General characteristics: cable design, system variables, voltage levels, field strength, insulation thickness
- Limits: temperatures, current rating, manufacturing length
- Cable manufacturing
- Accessories: types, tasks, materials, interfaces, design parameters
- Cable system: scope, screen bonding, cleats, SVL, laying concepts, monitoring systems
- Installation / laying technique: installation, laying, pulling forces, bending radius
- On-site testing
- HVDC XLPE technology vs. HVAC
- Application examples of two extensive 420 kV and 550 kV projects
- Overview of the latest Südkabel technical publications

Audience

Technical and commercial staff from TSO, DSO, consultants, installation and service companies as well as contractors, manufacturers and partner agencies involved in engineering & sales of XLPE cable systems, cables and accessories

Your previous knowledge

Basic knowledge of electrical engineering

Dates

Thu 24.02.2022 – 2:15 pm - 5:00 pm (CET) – free of charge

Wed 25.05.2022 – 9:15 am - 12:00 pm (CEST) – free of charge

Registration

Please register until Sun 20.02.2022 or Sun 22.05.2022, respectively, at

<https://www.suedkabel.de/webinar-registration-cable-system-technology/>.

