



High-Voltage Field-Installation Cables – Secure and Reliable System Operation in Cases of Reconstructions and Incidents

The combined application of the HV-CONNEX components together with energy cables as a high-voltage field-installation (replacement) cable enables a mobile and pluggable high-voltage connection for maintaining a secure and reliable system operation. They are available for voltage levels ranging from 145 kV to 362 kV and conductor cross-sections up to 3000 mm².

Nowadays, system operators have to face the requirements of a secure and unrestricted system operation during reconstructions and equipment outages, especially in times of volatile load flows. Therefore there is the essential need of high-voltage field-installation cables which make it possible to realize reliable and maintenance-free temporary power connections of any kind.

Exactly these needs are precisely met by the following HV-CONNEX components together with energy cables.

- Separable Connector
- SF₆ Elbow Joint 90° with frame
- Pluggable Bushing for outdoor usage

Based on the modular layout, which is maintenance-free and easy to transport because of the dry and pluggable construction, an installation within a very short time can be ensured.

The Data – The Details

Article size	Article name	Article no.	Max. Operating Voltage	Max. Current Rating	Conductor size
5-S	Bushing	828 186 xxx	145 kV	1250 A	
	Elbow-Joint	827 077 010			
	Connector	859 999 999*			
6	Bushing	828 187 xxx	170 kV	1250 A	
	Elbow-Joint	827 077 002			
	Connector	869 999 999*			
6-S	Bushing	828 192 001	245 kV	1250 A	
	Elbow-Joint	827 077 003			
	Connector	859 999 999*			
7	Bushing	828 193 001	245 kV	2600 A	
	Elbow-Joint	827 077 004			
	Connector	879 999 999*			
7-S	Bushing	828 193 001	362 kV	2000 A	
	Elbow-Joint	827 077 005			
	Connector	879 999 999*			

* Individual article number determined according to actual cable dimensions
 (Form to determine HV-CONNEX Separable Connectors)

