

CABLE SYSTEMS

Cable fittings for high voltage networks

THE POWER CONNECTION

CABLE SYSTEMS | COMPONENTS | OVERHEAD LINES | RAILWAY CATENARY SYSTEMS

Flexible Outdoor Termination ESF52-C15L, 52 kV, dry-insulated

The flexible

The IXOSIL ESF is integrated into existing or new supporting structures. It is ideally suited for substation and flexible multiple-use applications in testing and temporary site cables.

- Quick and easy to install
- Oil and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	ESF52-C15L	
Max. system voltage	U _m (kV)	52
Type Termination	dry-insulated, flexible	
Applicable standards	IEC 60840	
Rated lightning impulse withstand voltage BIL	(kV)	250
Conductor cross section	(mm ²)	95 - 1200
Diameter over cable insulation - prepared	(mm)	32.5 - 64.4
Minimum creepage distance	(mm)	1500
Min. arcing distance	(mm)	796

Flexible Outdoor Termination ESF52-C19L, 52 kV, dry-insulated

The flexible

The IXOSIL ESF is integrated into existing or new supporting structures. It is ideally suited for substation and flexible multiple-use applications in testing and temporary site cables.

- Quick and easy to install
- Oil and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	ESF52-C19L	
Max. system voltage	U _m (kV)	52
Type Termination	dry-insulated, flexible	
Applicable standards	IEC 60840	
Rated lightning impulse withstand voltage BIL	(kV)	250
Conductor cross section	(mm ²)	95 - 1200
Diameter over cable insulation - prepared	(mm)	32.5 - 64.4
Minimum creepage distance	(mm)	1813
Min. arcing distance	(mm)	906

Flexible Outdoor Termination ESF72-C19L, 72.5 kV, dry-insulated

The flexible

The IXOSIL ESF is integrated into existing or new supporting structures. It is ideally suited for substation and flexible multiple-use applications in testing and temporary site cables.

- Quick and easy to install
- Oil and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	ESF72-C19L	
Max. system voltage	U _m (kV)	72,5
Type Termination	dry-insulated, flexible	
Applicable standards	IEC 60840	
Rated lightning impulse withstand voltage BIL	(kV)	325
Conductor cross section	(mm ²)	95 - 1200
Diameter over cable insulation - prepared	(mm)	32.5 - 64.4
Minimum creepage distance	(mm)	1813
Min. arcing distance	(mm)	906

Flexible Outdoor Termination ESF72-C23L, 72.5 kV, dry-insulated

The flexible

The IXOSIL ESF is integrated into existing or new supporting structures. It is ideally suited for substation and flexible multiple-use applications in testing and temporary site cables.

- Quick and easy to install
- Oil and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.		ESF72-C23L
Max. system voltage	U_m (kV)	72,5
Type Termination		dry-insulated, flexible
Applicable standards		IEC 60840
Rated lightning impulse withstand voltage BIL	(kV)	325
Conductor cross section	(mm²)	95 - 2500
Diameter over cable insulation - prepared	(mm)	32.5 - 114.5
Minimum creepage distance	(mm)	2248
Min. arcing distance	(mm)	1016

Flexible Outdoor Termination ESF123-C31L, 123 kV, dry-insulated

The flexible

The IXOSIL ESF is integrated into existing or new supporting structures. It is ideally suited for substation and flexible multiple-use applications in testing and temporary site cables.

- Quick and easy to install
- Oil and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	ESF123-C31L	
Max. system voltage	U _m (kV)	123
Type Termination	dry-insulated, flexible	
Applicable standards	IEC 60840	
Rated lightning impulse withstand voltage BIL	(kV)	550
Conductor cross section	(mm ²)	150 - 2500
Diameter over cable insulation - prepared	(mm)	46.0 - 114.5
Minimum creepage distance	(mm)	3075
Min. arcing distance	(mm)	1360

Flexible Outdoor Termination ESF123-C39L, 123 kV, dry-insulated

The flexible

The IXOSIL ESF is integrated into existing or new supporting structures. It is ideally suited for substation and flexible multiple-use applications in testing and temporary site cables.

- Quick and easy to install
- Oil and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	ESF123-C39L	
Max. system voltage	U _m (kV)	123
Type Termination	dry-insulated, flexible	
Applicable standards	IEC 60840	
Rated lightning impulse withstand voltage BIL	(kV)	550
Conductor cross section	(mm ²)	150 - 2500
Diameter over cable insulation - prepared	(mm)	46.0 - 114.5
Minimum creepage distance	(mm)	3814
Min. arcing distance	(mm)	1575

Flexible Outdoor Termination ESF145-C37L, 145 kV, dry-insulated

The flexible

The IXOSIL ESF is integrated into existing or new supporting structures. It is ideally suited for substation and flexible multiple-use applications in testing and temporary site cables.

- Quick and easy to install
- Oil and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	ESF145-C37L	
Max. system voltage	U _m (kV)	145
Type Termination	dry-insulated, flexible	
Applicable standards	IEC 60840	
Rated lightning impulse withstand voltage BIL	(kV)	650
Conductor cross section	(mm ²)	185 - 2500
Diameter over cable insulation - prepared	(mm)	46.0 - 114.5
Minimum creepage distance	(mm)	3625
Min. arcing distance	(mm)	1575

Flexible Outdoor Termination ESF145-C45L, 145 kV, dry-insulated

The flexible

The IXOSIL ESF is integrated into existing or new supporting structures. It is ideally suited for substation and flexible multiple-use applications in testing and temporary site cables.

- Quick and easy to install
- Oil and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	ESF145-C45L	
Max. system voltage	U _m (kV)	145
Type Termination	dry-insulated, flexible	
Applicable standards	IEC 60840	
Rated lightning impulse withstand voltage BIL	(kV)	650
Conductor cross section	(mm ²)	185 - 2500
Diameter over cable insulation - prepared	(mm)	46.0 - 114.5
Minimum creepage distance	(mm)	4495
Min. arcing distance	(mm)	1700

Flexible Outdoor Termination ESF170-C43L, 170 kV, dry-insulated

The flexible

The IXOSIL ESF is integrated into existing or new supporting structures. It is ideally suited for substation and flexible multiple-use applications in testing and temporary site cables.

- Quick and easy to install
- Oil and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	ESF170-C43L	
Max. system voltage	U _m (kV)	170
Type Termination	dry-insulated, flexible	
Applicable standards	IEC 60840	
Rated lightning impulse withstand voltage BIL	(kV)	750
Conductor cross section	(mm ²)	240 - 2500
Diameter over cable insulation - prepared	(mm)	51.5 - 114.5
Minimum creepage distance	(mm)	4250
Min. arcing distance	(mm)	1800

Flexible Outdoor Termination ESF170-C53L, 170 kV, dry-insulated

The flexible

The IXOSIL ESF is integrated into existing or new supporting structures. It is ideally suited for substation and flexible multiple-use applications in testing and temporary site cables.

- Quick and easy to install
- Oil and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	ESF170-C53L	
Max. system voltage	U _m (kV)	170
Type Termination	dry-insulated, flexible	
Applicable standards	IEC 60840 / IEEE48	
Rated lightning impulse withstand voltage BIL	(kV)	750
Conductor cross section	(mm ²)	240 - 2500
Diameter over cable insulation - prepared	(mm)	51.5 - 114.5
Minimum creepage distance	(mm)	5270
Min. arcing distance	(mm)	2135

Supported Outdoor Termination EST72-C19-SUB SA, 72.5 kV, dry-insulated, with surge arrester

Cable termination and surge arrester in one

With the EST SUB SA, the surge arrester serves as a fixing point for the cable termination at the same time. No additional supporting elements are necessary. Various response voltages for the surge arrester are available.

- Quick and easy to install
- Oil- and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

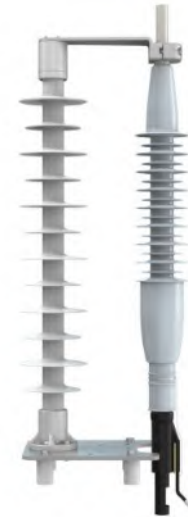
Article no.	EST72-C19-SUB SA	
Max. system voltage	U _m (kV)	72,5
Type Termination	dry-insulated, supported, for substations, with surge arrester	
Applicable standards	IEC 60840, IEC 60815	
Rated lightning impulse withstand voltage BIL	(kV)	325
Conductor cross section	(mm ²)	95 - 1200
Diameter over cable insulation - prepared	(mm)	32.5 - 64.4
Minimum creepage distance	(mm)	1813
Min. arcing distance	(mm)	906
Applied standard for the integrated surge arrester	IEC 60099	
Rated voltage U _r of the integrated surge arrester	(kV)	54 - 114 kV available in steps of 3 kV
Nominal discharge current of the integrated surge arrester	(kA)	10 or 20
Line discharge class of the integrated surge arrester	3 or 4	
Max. rated short circuit current of the integrated surge arrester	(kA)	63

Supported Outdoor Termination EST72-C19-SUB, 72.5 kV, dry-insulated

For substations

The EST SUB is the safe and cost-effective solution for substation. The cable connection and supporting elements are installed independently of each other. The cable termination is installed on the cable on the ground and subsequently raised up into the supporting structure.

- Quick and easy to install
- Oil- and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

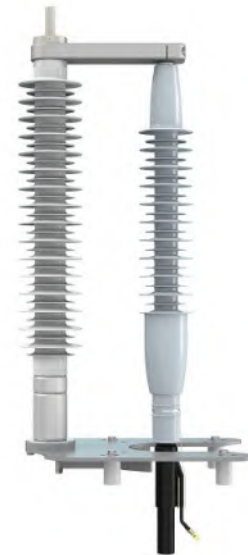
Article no.	EST72-C19-SUB	
Max. system voltage	U _m (kV)	72,5
Type Termination	dry-insulated, supported, for substations	
Applicable standards	IEC 60840	
Rated lightning impulse withstand voltage BIL	(kV)	325
Conductor cross section	(mm ²)	95 - 1200
Diameter over cable insulation - prepared	(mm)	32.5 - 64.4
Minimum creepage distance	(mm)	1813
Min. arcing distance	(mm)	906

Supported Outdoor Termination EST72-C23-SUB SA, 72.5 kV, dry-insulated, with surge arrester

Cable termination and surge arrester in one

With the EST SUB SA, the surge arrester serves as a fixing point for the cable termination at the same time. No additional supporting elements are necessary. Various response voltages for the surge arrester are available.

- Quick and easy to install
- Oil- and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

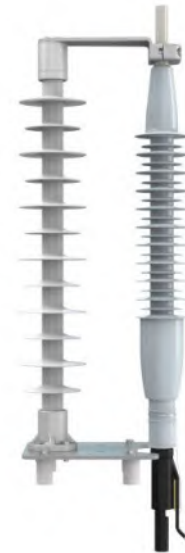
Article no.	EST72-C23-SUB SA	
Max. system voltage	U _m (kV)	72,5
Type Termination	dry-insulated, supported, for substations, with surge arrester	
Applicable standards	IEC 60840, IEC 60815	
Rated lightning impulse withstand voltage BIL	(kV)	325
Conductor cross section	(mm ²)	95 - 2500
Diameter over cable insulation - prepared	(mm)	32.5 - 114.5
Minimum creepage distance	(mm)	2248
Min. arcing distance	(mm)	986
Applied standard for the integrated surge arrester	IEC 60099	
Rated voltage U _r of the integrated surge arrester	(kV)	54 - 114 kV available in steps of 3 kV
Nominal discharge current of the integrated surge arrester	(kA)	10 or 20
Line discharge class of the integrated surge arrester	3 or 4	
Max. rated short circuit current of the integrated surge arrester	(kA)	63

Supported Outdoor Termination EST72-C23-SUB, 72.5 kV, dry-insulated

For substations

The EST SUB is the safe and cost-effective solution for substation. The cable connection and supporting elements are installed independently of each other. The cable termination is installed on the cable on the ground and subsequently raised up into the supporting structure.

- Quick and easy to install
- Oil- and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

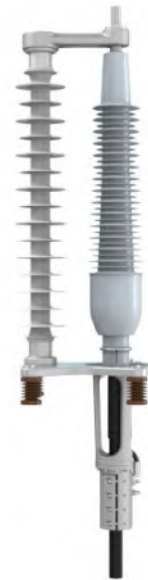
Article no.	EST72-C23-SUB	
Max. system voltage	U _m (kV)	72,5
Type Termination	dry-insulated, supported, for substations	
Applicable standards	IEC 60840	
Rated lightning impulse withstand voltage BIL	(kV)	325
Conductor cross section	(mm ²)	95 - 2500
Diameter over cable insulation - prepared	(mm)	32.5 - 114.5
Minimum creepage distance	(mm)	2248
Min. arcing distance	(mm)	906

Supported Outdoor Termination EST123-C31L, 123 kV, dry-insulated

For electricity pylons

The EST is fitted to the cable whilst on the ground and subsequently raised up onto the pylon. No mounting frame is required. The assembly time is minimised.

- Quick and easy to install
- Oil- and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	EST123-C31L	
Max. system voltage	U _m (kV)	123
Type Termination	dry-insulated, supported, for pylons	
Applicable standards	IEC 60840	
Rated lightning impulse withstand voltage BIL	(kV)	550
Conductor cross section	(mm ²)	150 - 2500
Diameter over cable insulation - prepared	(mm)	69.5 - 114.5
Minimum creepage distance	(mm)	3075
Min. arcing distance	(mm)	1340

Supported Outdoor Termination EST123-C31-SUB SA, 123 kV, dry-insulated, with surge arrester

Cable termination and surge arrester in one

With the EST SUB SA, the surge arrester serves as a fixing point for the cable termination at the same time. No additional supporting elements are necessary. Various response voltages for the surge arrester are available.

- Quick and easy to install
- Oil- and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	EST123-C31-SUB SA	
Max. system voltage	U _m (kV)	123
Type Termination	dry-insulated, supported, for substations, with surge arrester	
Applicable standards	IEC 60840, IEC 60815	
Rated lightning impulse withstand voltage BIL	(kV)	550
Conductor cross section	(mm ²)	150 - 2500
Diameter over cable insulation - prepared	(mm)	46.0 - 114.5
Minimum creepage distance	(mm)	3075
Min. arcing distance	(mm)	986
Applied standard for the integrated surge arrester	IEC 60099	
Rated voltage U _r of the integrated surge arrester	(kV)	96 - 114 kV available in steps of 3 kV
Nominal discharge current of the integrated surge arrester	(kA)	10 or 20
Line discharge class of the integrated surge arrester	3 or 4	
Max. rated short circuit current of the integrated surge arrester	(kA)	63

Supported Outdoor Termination EST123-C31-SUB, 123 kV, dry-insulated

For substations

The EST SUB is the safe and cost-effective solution for substation. The cable connection and supporting elements are installed independently of each other. The cable termination is installed on the cable on the ground and subsequently raised up into the supporting structure.

- Quick and easy to install
- Oil- and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	EST123-C31-SUB	
Max. system voltage	U _m (kV)	123
Type Termination	dry-insulated, supported, for substations	
Applicable standards	IEC 60840	
Rated lightning impulse withstand voltage BIL	(kV)	550
Conductor cross section	(mm ²)	150 - 2500
Diameter over cable insulation - prepared	(mm)	46.0 - 114.5
Minimum creepage distance	(mm)	3075
Min. arcing distance	(mm)	1575

Supported Outdoor Termination EST123-C39L, 123 kV, dry-insulated

For electricity pylons

The EST is fitted to the cable whilst on the ground and subsequently raised up onto the pylon. No mounting frame is required. The assembly time is minimised.

- Quick and easy to install
- Oil- and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	EST123-C39L	
Max. system voltage	U _m (kV)	123
Type Termination	dry-insulated, supported, for pylons	
Applicable standards	IEC 60840	
Rated lightning impulse withstand voltage BIL	(kV)	550
Conductor cross section	(mm ²)	150 - 2500
Diameter over cable insulation - prepared	(mm)	69.5 - 114.5
Minimum creepage distance	(mm)	3814
Min. arcing distance	(mm)	1575

Supported Outdoor Termination EST123-C39-SUB SA, 123 kV, dry-insulated, with surge arrester

Cable termination and surge arrester in one

With the EST SUB SA, the surge arrester serves as a fixing point for the cable termination at the same time. No additional supporting elements are necessary. Various response voltages for the surge arrester are available.

- Quick and easy to install
- Oil- and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	EST123-C39-SUB SA	
Max. system voltage	U _m (kV)	123
Type Termination	dry-insulated, supported, for substations, with surge arrester	
Applicable standards	IEC 60840, IEC 60815	
Rated lightning impulse withstand voltage BIL	(kV)	550
Conductor cross section	(mm ²)	150 - 2500
Diameter over cable insulation - prepared	(mm)	46.0 - 114.5
Minimum creepage distance	(mm)	3814
Min. arcing distance	(mm)	1322
Applied standard for the integrated surge arrester	IEC 60099	
Rated voltage U _r of the integrated surge arrester	(kV)	96 - 153 kV available in steps of 3 kV
Nominal discharge current of the integrated surge arrester	(kA)	10 or 20
Line discharge class of the integrated surge arrester	3 or 4	
Max. rated short circuit current of the integrated surge arrester	(kA)	63

Supported Outdoor Termination EST123-C39-SUB, 123 kV, dry-insulated

For substations

The EST SUB is the safe and cost-effective solution for substation. The cable connection and supporting elements are installed independently of each other. The cable termination is installed on the cable on the ground and subsequently raised up into the supporting structure.

- Quick and easy to install
- Oil- and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

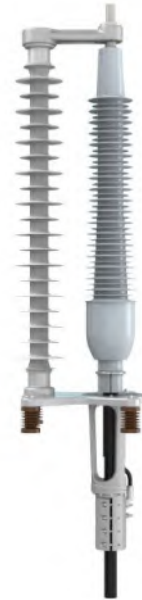
Article no.	EST123-C39-SUB	
Max. system voltage	U _m (kV)	123
Type Termination	dry-insulated, supported, for substations	
Applicable standards	IEC 60840	
Rated lightning impulse withstand voltage BIL	(kV)	550
Conductor cross section	(mm ²)	150 - 2500
Diameter over cable insulation - prepared	(mm)	46.0 - 114.5
Minimum creepage distance	(mm)	3814
Min. arcing distance	(mm)	1575

Supported Outdoor Termination EST145-C37L, 145 kV, dry-insulated

For electricity pylons

The EST is fitted to the cable whilst on the ground and subsequently raised up onto the pylon. No mounting frame is required. The assembly time is minimised.

- Quick and easy to install
- Oil- and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	EST145-C37L	
Max. system voltage	U _m (kV)	145
Type Termination	dry-insulated, supported, for pylons	
Applicable standards	IEC 60840	
Rated lightning impulse withstand voltage BIL	(kV)	650
Conductor cross section	(mm ²)	185 - 2500
Diameter over cable insulation - prepared	(mm)	69.5 - 114.5
Minimum creepage distance	(mm)	3625
Min. arcing distance	(mm)	1575

Supported Outdoor Termination EST145-C37-SUB SA, 145 kV, dry-insulated, with surge arrester

Cable termination and surge arrester in one

With the EST SUB SA, the surge arrester serves as a fixing point for the cable termination at the same time. No additional supporting elements are necessary. Various response voltages for the surge arrester are available.

- Quick and easy to install
- Oil- and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	EST145-C37-SUB SA	
Max. system voltage	U _m (kV)	145
Type Termination	dry-insulated, supported, for substations, with surge arrester	
Applicable standards	IEC 60840, IEC 60815	
Rated lightning impulse withstand voltage BIL	(kV)	650
Conductor cross section	(mm ²)	185 - 2500
Diameter over cable insulation - prepared	(mm)	46.0 - 114.5
Minimum creepage distance	(mm)	3625
Min. arcing distance	(mm)	1322
Applied standard for the integrated surge arrester	IEC 60099	
Rated voltage U _r of the integrated surge arrester	(kV)	120 - 180 kV available in steps of 3 kV
Nominal discharge current of the integrated surge arrester	(kA)	10 or 20
Line discharge class of the integrated surge arrester	3 or 4	
Max. rated short circuit current of the integrated surge arrester	(kA)	63

Supported Outdoor Termination EST145-C37-SUB, 145 kV, dry-insulated

For substations

The EST SUB is the safe and cost-effective solution for substation. The cable connection and supporting elements are installed independently of each other. The cable termination is installed on the cable on the ground and subsequently raised up into the supporting structure.

- Quick and easy to install
- Oil- and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	EST145-C37-SUB	
Max. system voltage	U _m (kV)	145
Type Termination	dry-insulated, supported, for substations	
Applicable standards	IEC 60840	
Rated lightning impulse withstand voltage BIL	(kV)	650
Conductor cross section	(mm ²)	185 - 2500
Diameter over cable insulation - prepared	(mm)	46.0 - 114.5
Minimum creepage distance	(mm)	3625
Min. arcing distance	(mm)	1700

Supported Outdoor Termination EST145-C45L, 145 kV, dry-insulated

For electricity pylons

The EST is fitted to the cable whilst on the ground and subsequently raised up onto the pylon. No mounting frame is required. The assembly time is minimised.

- Quick and easy to install
- Oil- and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	EST145-C45L	
Max. system voltage	U _m (kV)	145
Type Termination	dry-insulated, supported, for pylons	
Applicable standards	IEC 60840	
Rated lightning impulse withstand voltage BIL	(kV)	650
Conductor cross section	(mm ²)	185 - 2500
Diameter over cable insulation - prepared	(mm)	46.0 - 114.5
Minimum creepage distance	(mm)	4495
Min. arcing distance	(mm)	1700

Supported Outdoor Termination EST145-C45-SUB SA, 145 kV, dry-insulated, with surge arrester

Cable termination and surge arrester in one

With the EST SUB SA, the surge arrester serves as a fixing point for the cable termination at the same time. No additional supporting elements are necessary. Various response voltages for the surge arrester are available.

- Quick and easy to install
- Oil- and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	EST145-C45-SUB SA	
Max. system voltage	U _m (kV)	145
Type Termination	dry-insulated, supported, for substations, with surge arrester	
Applicable standards	IEC 60840, IEC 60815	
Rated lightning impulse withstand voltage BIL	(kV)	650
Conductor cross section	(mm ²)	185 - 2500
Diameter over cable insulation - prepared	(mm)	46.0 - 114.5
Minimum creepage distance	(mm)	4495
Min. arcing distance	(mm)	1700
Applied standard for the integrated surge arrester	IEC 60099	
Rated voltage U _r of the integrated surge arrester	(kV)	120 - 180 kV available in steps of 3 kV
Nominal discharge current of the integrated surge arrester	(kA)	10 or 20
Line discharge class of the integrated surge arrester	3 or 4	
Max. rated short circuit current of the integrated surge arrester	(kA)	63

Supported Outdoor Termination EST145-C45-SUB, 145 kV, dry-insulated

For substations

The EST SUB is the safe and cost-effective solution for substation. The cable connection and supporting elements are installed independently of each other. The cable termination is installed on the cable on the ground and subsequently raised up into the supporting structure.

- Quick and easy to install
- Oil- and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	EST145-C45-SUB	
Max. system voltage	U _m (kV)	145
Type Termination	dry-insulated, supported, for substations	
Applicable standards	IEC 60840	
Rated lightning impulse withstand voltage BIL	(kV)	650
Conductor cross section	(mm ²)	185 - 2500
Diameter over cable insulation - prepared	(mm)	46.0 - 114.5
Minimum creepage distance	(mm)	4495
Min. arcing distance	(mm)	1800

Supported Outdoor Termination EST170-C43L, 170 kV, dry-insulated

For electricity pylons

The EST is fitted to the cable whilst on the ground and subsequently raised up onto the pylon. No mounting frame is required. The assembly time is minimised.

- Quick and easy to install
- Oil- and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	EST170-C43L	
Max. system voltage	U _m (kV)	170
Type Termination	dry-insulated, supported, for pylons	
Applicable standards	IEC 60840	
Rated lightning impulse withstand voltage BIL	(kV)	750
Conductor cross section	(mm ²)	240 - 2500
Diameter over cable insulation - prepared	(mm)	51.5 - 114.5
Minimum creepage distance	(mm)	4250
Min. arcing distance	(mm)	1800

Supported Outdoor Termination EST170-C43-SUB SA, 170 kV, dry-insulated, with surge arrester

Cable termination and surge arrester in one

With the EST SUB SA, the surge arrester serves as a fixing point for the cable termination at the same time. No additional supporting elements are necessary. Various response voltages for the surge arrester are available.

- Quick and easy to install
- Oil- and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	EST170-C43-SUB SA	
Max. system voltage	U _m (kV)	170
Type Termination	dry-insulated, supported, for substations, with surge arrester	
Applicable standards	IEC 60840, IEC 60815	
Rated lightning impulse withstand voltage BIL	(kV)	750
Conductor cross section	(mm ²)	240 - 2500
Diameter over cable insulation - prepared	(mm)	51.5 - 114.5
Minimum creepage distance	(mm)	4250
Min. arcing distance	(mm)	1800
Applied standard for the integrated surge arrester	IEC 60099	
Rated voltage U _r of the integrated surge arrester	(kV)	144 - 228 kV available in steps of 3 kV
Nominal discharge current of the integrated surge arrester	(kA)	10 or 20
Line discharge class of the integrated surge arrester	3 or 4	
Max. rated short circuit current of the integrated surge arrester	(kA)	63

Supported Outdoor Termination EST170-C43-SUB, 170 kV, dry-insulated

For substations

The EST SUB is the safe and cost-effective solution for substation. The cable connection and supporting elements are installed independently of each other. The cable termination is installed on the cable on the ground and subsequently raised up into the supporting structure.

- Quick and easy to install
- Oil- and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	EST170-C43-SUB	
Max. system voltage	U _m (kV)	170
Type Termination	dry-insulated, supported, for substations	
Applicable standards	IEC 60840	
Rated lightning impulse withstand voltage BIL	(kV)	750
Conductor cross section	(mm ²)	240 - 2500
Diameter over cable insulation - prepared	(mm)	51.5 - 114.5
Minimum creepage distance	(mm)	4250
Min. arcing distance	(mm)	2105

Supported Outdoor Termination EST170-C53L, 170 kV, dry-insulated

For electricity pylons

The EST is fitted to the cable whilst on the ground and subsequently raised up onto the pylon. No mounting frame is required. The assembly time is minimised.

- Quick and easy to install
- Oil- and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	EST170-C53L	
Max. system voltage	U _m (kV)	170
Type Termination	dry-insulated, supported, for pylons	
Applicable standards	IEC 60840 / IEEE48	
Rated lightning impulse withstand voltage BIL	(kV)	750
Conductor cross section	(mm ²)	240 - 2500
Diameter over cable insulation - prepared	(mm)	51.5 - 114.5
Minimum creepage distance	(mm)	5270
Min. arcing distance	(mm)	2040

Supported Outdoor Termination EST170-C53-SUB, 170 kV, dry-insulated

For substations

The EST SUB is the safe and cost-effective solution for substation. The cable connection and supporting elements are installed independently of each other. The cable termination is installed on the cable on the ground and subsequently raised up into the supporting structure.

- Quick and easy to install
- Oil- and gas-free - leak-proof
- Maintenance-free
- 100% electrically individually tested
- Proven technology



Picture may vary.

Technical Data

Article no.	EST170-C53-SUB	
Max. system voltage	U _m (kV)	170
Type Termination	dry-insulated, supported, for substations	
Applicable standards	IEC 60840 / IEEE48	
Rated lightning impulse withstand voltage BIL	(kV)	750
Conductor cross section	(mm ²)	240 - 2500
Diameter over cable insulation - prepared	(mm)	51.5 - 114.5
Minimum creepage distance	(mm)	5270
Min. arcing distance	(mm)	2105

Self-Supporting Dry Outdoor Composite Termination up to 123 kV

Dry PFISTERER outdoor cable terminations have been used worldwide for decades in substations and on high-voltage transmission towers. They connect cable systems to overhead lines and busbars with long-term reliability. For time-critical installation projects with the future in mind, PFISTERER now offers DOC – the first dry, self-supporting termination.

Ready to use on site: the preassembled DOC termination is tested and shipped as a complete unit. That means the hollow insulator, stress grading device and base plate are the main unit that has to be simply pulled onto the prepared cable. It is no longer necessary to bond individual insulator sections.

Technical Characteristics:

- The insulation is made from silicone, which protects the environment as no insulating oils and gels are used.
- The stress grading device is implemented exclusively with silicone.
- Extremely reliable connection for standard conductors with the patented SICON stepless shear bolt technology and for single wire insulated conductors with the patented FrontCon technology. Compressed variants are available on request.
- Specific earthing points for a simplified shielding according to customer respectively system requirements

Advantages:

- Type-tested according to IEC 60840
- Proven material
- Proven technology
- No liquid handling on site
- Fast and reliable installation (horizontal or vertical)
- Integrated base plate
- Fixed earthing point for simpler screen handling
- Maintenance-free

Accessories:

- Splice box
- Arcing horn
- Corona ring



Picture may vary.

Technical Data

Article no.	DOC123-C39	
Max. system voltage	U _m (kV)	123
BIL	(kV)	550
Rated power frequency withstand voltage 2.5 U ₀	(kV)	160
PD at 1.5 U ₀		<5pC
Bolt diameter	(mm)	30, 40, 50 and 60
Routine test		IEC 60840 Chapter 9
Pollution class according to IEC 60815 / IEC 60815-3		IV, E

Self-Supporting Dry Outdoor Composite Termination up to 145 kV

Dry PFISTERER outdoor cable terminations have been used worldwide for decades in substations and on high-voltage transmission towers. They connect cable systems to overhead lines and busbars with long-term reliability. For time-critical installation projects with the future in mind, PFISTERER now offers DOC – the first dry, self-supporting termination.

Ready to use on site: the preassembled DOC termination is tested and shipped as a complete unit. That means the hollow insulator, stress grading device and base plate are the main unit that has to be simply pulled onto the prepared cable. It is no longer necessary to bond individual insulator sections.

Technical Characteristics:

- The insulation is made from silicone, which protects the environment as no insulating oils and gels are used.
- The stress grading device is implemented exclusively with silicone.
- Extremely reliable connection for standard conductors with the patented SICON stepless shear bolt technology and for single wire insulated conductors with the patented FrontCon technology. Compressed variants are available on request.
- Specific earthing points for a simplified shielding according to customer respectively system requirements

Advantages:

- Type-tested according to IEC 60840
- Proven material
- Proven technology
- No liquid handling on site
- Fast and reliable installation (horizontal or vertical)
- Integrated base plate
- Fixed earthing point for simpler screen handling
- Maintenance-free

Accessories:

- Splice box
- Arcing horn
- Corona ring



Picture may vary.

Technical Data

Article no.	DOC145-C45	
Max. system voltage	U _m (kV)	145
BIL	(kV)	650
Rated power frequency withstand voltage 2.5 U ₀	(kV)	190
PD at 1.5 U ₀		<5pC
Bolt diameter	(mm)	30, 40, 50 and 60
Routine test		IEC 60840 Chapter 9
Pollution class according to IEC 60815 / IEC 60815-3		IV, E

Self-Supporting Dry Outdoor Composite Termination up to 170 kV

Dry PFISTERER outdoor cable terminations have been used worldwide for decades in substations and on high-voltage transmission towers. They connect cable systems to overhead lines and busbars with long-term reliability. For time-critical installation projects with the future in mind, PFISTERER now offers DOC – the first dry, self-supporting termination.

Ready to use on site: the preassembled DOC termination is tested and shipped as a complete unit. That means the hollow insulator, stress grading device and base plate are the main unit that has to be simply pulled onto the prepared cable. It is no longer necessary to bond individual insulator sections.

Technical Characteristics:

- The insulation is made from silicone, which protects the environment as no insulating oils and gels are used.
- The stress grading device is implemented exclusively with silicone.
- Extremely reliable connection for standard conductors with the patented SICON stepless shear bolt technology and for single wire insulated conductors with the patented FrontCon technology. Compressed variants are available on request.
- Specific earthing points for a simplified shielding according to customer respectively system requirements

Advantages:

- Type-tested according to IEC 60840
- Proven material
- Proven technology
- No liquid handling on site
- Fast and reliable installation (horizontal or vertical)
- Integrated base plate
- Fixed earthing point for simpler screen handling
- Maintenance-free

Accessories:

- Splice box
- Arcing horn
- Corona ring

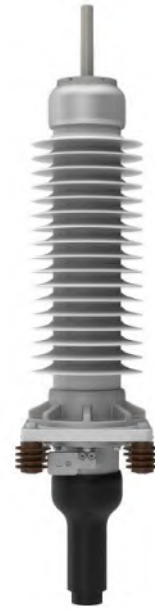


Picture may vary.

Technical Data

Article no.	DOC170-C58	
Max. system voltage	U _m (kV)	170
BIL	(kV)	750
Rated power frequency withstand voltage 2.5 U ₀	(kV)	218
PD at 1.5 U ₀		<5pC
Bolt diameter	(mm)	30, 40, 50 and 60
Routine test		IEC 60840 Chapter 9
Pollution class according to IEC 60815 / IEC 60815-3		IV, E

Outdoor Termination ESS72-C23, 72.5 kV, silicone, oil-insulated

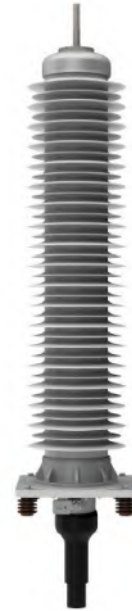


Picture may vary.

Technical Data

Article no.		ESS72-C23
Max. system voltage	U_m (kV)	72,5
Type Termination		oil insulated, silicone composite insulator
Applicable standards		IEC 60840
Rated lightning impulse withstand voltage BIL	(kV)	325
Conductor cross section	(mm²)	95 - 2000
Diameter over cable insulation - prepared	(mm)	38 - 84
Max. diameter over outer cable sheath	(mm)	150
Minimum creepage distance	(mm)	2340

Outdoor Termination ESS123-C39, 123 kV, silicone, oil-insulated

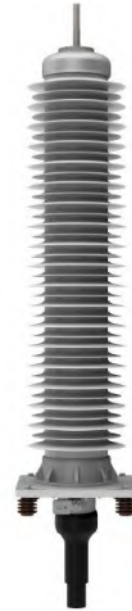


Picture may vary.

Technical Data

Article no.		ESS123-C39
Max. system voltage	U_m (kV)	123
Type Termination		oil insulated, silicone composite insulator
Applicable standards		IEC 60840
Rated lightning impulse withstand voltage BIL	(kV)	550
Conductor cross section	(mm²)	150 - 1600
Diameter over cable insulation - prepared	(mm)	43 - 99
Max. diameter over outer cable sheath	(mm)	150
Minimum creepage distance	(mm)	3890

Outdoor Termination ESS145-C45, 145 kV, silicone, oil-insulated

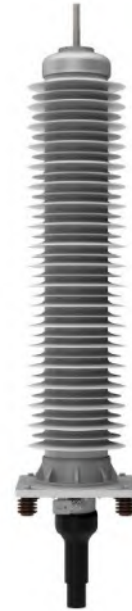


Picture may vary.

Technical Data

Article no.		ESS145-C45
Max. system voltage	U_m (kV)	145
Type Termination		oil insulated, silicone composite insulator
Applicable standards		IEC 60840
Rated lightning impulse withstand voltage BIL	(kV)	650
Conductor cross section	(mm²)	185 - 1200
Diameter over cable insulation - prepared	(mm)	49 - 84
Max. diameter over outer cable sheath	(mm)	150
Minimum creepage distance	(mm)	4570

Outdoor Termination ESS145-C50, 145 kV, silicone, oil-insulated

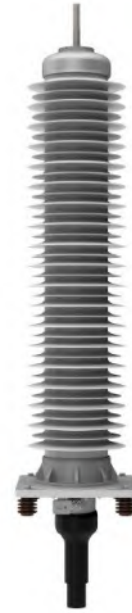


Picture may vary.

Technical Data

Article no.		ESS145-C50
Max. system voltage	U_m (kV)	145
Type Termination		oil insulated, silicone composite insulator
Applicable standards		IEC 60840
Rated lightning impulse withstand voltage BIL	(kV)	650
Conductor cross section	(mm²)	185 - 2500
Diameter over cable insulation - prepared	(mm)	49 - 118
Max. diameter over outer cable sheath	(mm)	170
Minimum creepage distance	(mm)	5000

Outdoor Termination ESS145-C72, 145 kV, silicone, oil-insulated

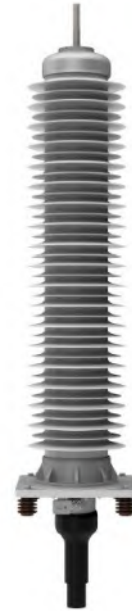


Picture may vary.

Technical Data

Article no.		ESS145-C72
Max. system voltage	U_m (kV)	145
Type Termination		oil insulated, silicone composite insulator
Applicable standards		IEC 60840
Rated lightning impulse withstand voltage BIL	(kV)	650
Conductor cross section	(mm²)	185 - 2500
Diameter over cable insulation - prepared	(mm)	49 - 118
Max. diameter over outer cable sheath	(mm)	170
Minimum creepage distance	(mm)	7250

Outdoor Termination ESS170-C58, 170 kV, silicone, oil-insulated

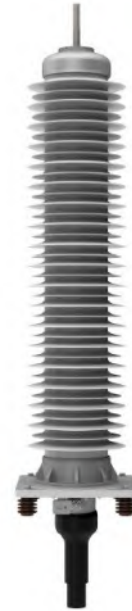


Picture may vary.

Technical Data

Article no.		ESS170-C58
Max. system voltage	U_m (kV)	170
Type Termination		oil insulated, silicone composite insulator
Applicable standards		IEC 60840
Rated lightning impulse withstand voltage BIL	(kV)	750
Conductor cross section	(mm²)	240 - 2000
Diameter over cable insulation - prepared	(mm)	54 - 99
Max. diameter over outer cable sheath	(mm)	150
Minimum creepage distance	(mm)	5920

Outdoor Termination ESS170-C72, 170 kV, silicone, oil-insulated



Picture may vary.

Technical Data

Article no.		ESS170-C72
Max. system voltage	U_m (kV)	170
Type Termination		oil insulated, silicone composite insulator
Applicable standards		IEC 60840
Rated lightning impulse withstand voltage BIL	(kV)	750
Conductor cross section	(mm²)	240 - 2500
Diameter over cable insulation - prepared	(mm)	54 - 118
Max. diameter over outer cable sheath	(mm)	170
Minimum creepage distance	(mm)	7250

Outdoor Termination ESS245-C97, 245 kV, silicone, oil-insulated

Optional Accessories:

- Corona ring
- Arcing horn
- FO Splice box

Attention:

The optional accessories are not included in the scope of delivery and have to be ordered separately if required.



Picture may vary.

Technical Data

Article no.		ESS245-C97
Max. system voltage	U_m (kV)	245
Type Termination		oil insulated, silicone composite insulator
Applicable standards		IEC 62067
Rated lightning impulse withstand voltage BIL	(kV)	1050
Conductor cross section	(mm²)	240 - 2500
Diameter over cable insulation - prepared	(mm)	72 - 118
Max. diameter over outer cable sheath	(mm)	170
Minimum creepage distance	(mm)	9650

Outdoor Termination ESS245-C135, 245 kV, silicone, oil-insulated



Picture may vary.

Technical Data

Article no.		ESS245-C135
Max. system voltage	U_m (kV)	245
Type Termination		oil insulated, silicone composite insulator
Applicable standards		IEC 62067
Rated lightning impulse withstand voltage BIL	(kV)	1050
Conductor cross section	(mm²)	240 - 2500
Diameter over cable insulation - prepared	(mm)	72 - 118
Max. diameter over outer cable sheath	(mm)	170
Minimum creepage distance	(mm)	13510

Outdoor Termination ESS300-C97, 300 kV, silicone, oil-insulated



Picture may vary.

Technical Data

Article no.		ESS300-C97
Max. system voltage	U_m (kV)	300
Type Termination		oil insulated, silicone composite insulator
Applicable standards		IEC 62067
Rated lightning impulse withstand voltage BIL	(kV)	1050
Conductor cross section	(mm²)	240 - 2500
Diameter over cable insulation - prepared	(mm)	72 - 118
Max. diameter over outer cable sheath	(mm)	170
Minimum creepage distance	(mm)	9650

Outdoor Termination ESS420-C166, 420 kV, silicone, oil-insulated



Picture may vary.

Technical Data

Article no.		ESS420-C166
Max. system voltage	U_m (kV)	420
Type Termination		oil insulated, silicone composite insulator
Applicable standards		IEC 62067
Rated lightning impulse withstand voltage BIL	(kV)	1425
Conductor cross section	(mm²)	630 - 2500
Diameter over cable insulation - prepared	(mm)	72 - 131
Max. diameter over outer cable sheath	(mm)	191
Minimum creepage distance	(mm)	16600

Outdoor Termination ESS420-C188, 420 kV, silicone, oil-insulated



Picture may vary.

Technical Data

Article no.		ESS420-C188
Max. system voltage	U_m (kV)	420
Type Termination		oil insulated, silicone composite insulator
Applicable standards		IEC 62067
Rated lightning impulse withstand voltage BIL	(kV)	1425
Conductor cross section	(mm²)	630 - 2500
Diameter over cable insulation - prepared	(mm)	72 - 131
Max. diameter over outer cable sheath	(mm)	191
Minimum creepage distance	(mm)	18805

Outdoor Termination ESS550-C188, 550 kV, silicone, oil-insulated



Picture may vary.

Technical Data

Article no.		ESS550-C188
Max. system voltage	U_m (kV)	550
Type Termination		oil insulated, silicone composite insulator
Applicable standards		IEC 62067
Rated lightning impulse withstand voltage BIL	(kV)	1550
Conductor cross section	(mm²)	630 - 2500
Diameter over cable insulation - prepared	(mm)	83 - 145
Max. diameter over outer cable sheath	(mm)	201
Minimum creepage distance	(mm)	18805

Outdoor Termination ESS550-C220, 550 kV, silicone, oil-insulated



Picture may vary.

Technical Data

Article no.		ESS550-C220
Max. system voltage	U_m (kV)	550
Type Termination		oil insulated, silicone composite insulator
Applicable standards		IEC 62067
Rated lightning impulse withstand voltage BIL	(kV)	1550
Conductor cross section	(mm²)	630 - 2500
Diameter over cable insulation - prepared	(mm)	83 - 145
Max. diameter over outer cable sheath	(mm)	201
Minimum creepage distance	(mm)	22000

Outdoor Termination ESP72-C23, 72.5 kV, porcelain, oil-insulated



Picture may vary.

Technical Data

Article no.		ESP72-C23
Max. system voltage	U_m (kV)	72,5
Type Termination		oil insulated, porcelain insulator
Applicable standards		IEC 60840
Rated lightning impulse withstand voltage BIL	(kV)	325
Conductor cross section	(mm²)	95 - 2000
Diameter over cable insulation - prepared	(mm)	38 - 84
Max. diameter over outer cable sheath	(mm)	150
Minimum creepage distance	(mm)	2248

Outdoor Termination ESP72-C39, 72.5 kV, porcelain, oil-insulated



Picture may vary.

Technical Data

Article no.		ESP72-C39
Max. system voltage	U_m (kV)	72,5
Type Termination		oil insulated, porcelain insulator
Applicable standards		IEC 60840
Rated lightning impulse withstand voltage BIL	(kV)	325
Conductor cross section	(mm²)	95 - 2000
Diameter over cable insulation - prepared	(mm)	38 - 84
Max. diameter over outer cable sheath	(mm)	150
Minimum creepage distance	(mm)	3852

Outdoor Termination ESP123-C39, 123 kV, porcelain, oil-insulated



Picture may vary.

Technical Data

Article no.		ESP123-C39
Max. system voltage	U_m (kV)	123
Type Termination		oil insulated, porcelain insulator
Applicable standards		IEC 60840
Rated lightning impulse withstand voltage BIL	(kV)	550
Conductor cross section	(mm²)	120 - 1600
Diameter over cable insulation - prepared	(mm)	43 - 84
Max. diameter over outer cable sheath	(mm)	150
Minimum creepage distance	(mm)	3813

Outdoor Termination ESP123-C45, 123 kV, porcelain, oil-insulated



Picture may vary.

Technical Data

Article no.		ESP123-C45
Max. system voltage	U_m (kV)	123
Type Termination		oil insulated, porcelain insulator
Applicable standards		IEC 60840
Rated lightning impulse withstand voltage BIL	(kV)	550
Conductor cross section	(mm²)	120 - 1600
Diameter over cable insulation - prepared	(mm)	43 - 84
Max. diameter over outer cable sheath	(mm)	150
Minimum creepage distance	(mm)	4540

Outdoor Termination ESP145-C45, 145 kV, porcelain, oil-insulated



Picture may vary.

Technical Data

Article no.		ESP145-C45
Max. system voltage	U_m (kV)	145
Type Termination		oil insulated, porcelain insulator
Applicable standards		IEC 60840
Rated lightning impulse withstand voltage BIL	(kV)	650
Conductor cross section	(mm²)	150 - 1600
Diameter over cable insulation - prepared	(mm)	49 - 84
Max. diameter over outer cable sheath	(mm)	150
Minimum creepage distance	(mm)	4540

Outdoor Termination ESP145-C50, 145 kV, porcelain, oil-insulated



Picture may vary.

Technical Data

Article no.		ESP145-C50
Max. system voltage	U_m (kV)	145
Type Termination		oil insulated, porcelain insulator
Applicable standards		IEC 60840
Rated lightning impulse withstand voltage BIL	(kV)	650
Conductor cross section	(mm²)	150 - 2000
Diameter over cable insulation - prepared	(mm)	49 - 110
Max. diameter over outer cable sheath	(mm)	150
Minimum creepage distance	(mm)	4994

Outdoor Termination ESP145-C58, 145 kV, porcelain, oil-insulated



Picture may vary.

Technical Data

Article no.		ESP145-C58
Max. system voltage	U_m (kV)	145
Type Termination		oil insulated, porcelain insulator
Applicable standards		IEC 60840
Rated lightning impulse withstand voltage BIL	(kV)	650
Conductor cross section	(mm²)	150 - 2000
Diameter over cable insulation - prepared	(mm)	49 - 110
Max. diameter over outer cable sheath	(mm)	150
Minimum creepage distance	(mm)	5800

Outdoor Termination ESP145-C73, 145 kV, porcelain, oil-insulated



Picture may vary.

Technical Data

Article no.		ESP145-C73
Max. system voltage	U_m (kV)	145
Type Termination		oil insulated, porcelain insulator
Applicable standards		IEC 60840
Rated lightning impulse withstand voltage BIL	(kV)	650
Conductor cross section	(mm²)	185 - 2500
Diameter over cable insulation - prepared	(mm)	49 - 118
Max. diameter over outer cable sheath	(mm)	170
Minimum creepage distance	(mm)	7250

Outdoor Termination ESP170-C58, 170 kV, porcelain, oil-insulated



Picture may vary.

Technical Data

Article no.		ESP170-C58
Max. system voltage	U_m (kV)	170
Type Termination		oil insulated, porcelain insulator
Applicable standards		IEC 60840
Rated lightning impulse withstand voltage BIL	(kV)	750
Conductor cross section	(mm²)	185 - 2000
Diameter over cable insulation - prepared	(mm)	54 - 99
Max. diameter over outer cable sheath	(mm)	150
Minimum creepage distance	(mm)	5800

Outdoor Termination ESP170-C73, 170 kV, porcelain, oil-insulated



Picture may vary.

Technical Data

Article no.		ESP170-C73
Max. system voltage	U_m (kV)	170
Type Termination		oil insulated, porcelain insulator
Applicable standards		IEC 60840
Rated lightning impulse withstand voltage BIL	(kV)	750
Conductor cross section	(mm²)	185 - 2500
Diameter over cable insulation - prepared	(mm)	54 - 118
Max. diameter over outer cable sheath	(mm)	170
Minimum creepage distance	(mm)	7250

Outdoor Termination ESP245-C103, 245 kV, porcelain, oil-insulated



Picture may vary.

Technical Data

Article no.		ESP245-C103
Max. system voltage	U_m (kV)	245
Type Termination		oil insulated, porcelain insulator
Applicable standards		IEC 62067
Rated lightning impulse withstand voltage BIL	(kV)	1050
Conductor cross section	(mm²)	240 - 2500
Diameter over cable insulation - prepared	(mm)	72 - 118
Max. diameter over outer cable sheath	(mm)	170
Minimum creepage distance	(mm)	10230

Outdoor Termination ESP300-C103, 300 kV, porcelain, oil-insulated



Picture may vary.

Technical Data

Article no.		ESP300-C103
Max. system voltage	U_m (kV)	300
Type Termination		oil insulated, porcelain insulator
Applicable standards		IEC 62067
Rated lightning impulse withstand voltage BIL	(kV)	1050
Conductor cross section	(mm²)	240 - 2500
Diameter over cable insulation - prepared	(mm)	72 - 118
Max. diameter over outer cable sheath	(mm)	170
Minimum creepage distance	(mm)	10230

Outdoor Termination ESP420-C156, 420 kV, porcelain, oil-insulated



Picture may vary.

Technical Data

Article no.		ESP420-C156
Max. system voltage	U_m (kV)	420
Type Termination		oil insulated, porcelain insulator
Applicable standards		IEC 62067
Rated lightning impulse withstand voltage BIL	(kV)	1425
Conductor cross section	(mm²)	630 - 2500
Diameter over cable insulation - prepared	(mm)	72 - 131
Max. diameter over outer cable sheath	(mm)	191
Minimum creepage distance	(mm)	15515

Outdoor Termination ESP550-C196, 550 kV, porcelain, oil-insulated



Picture may vary.

Technical Data

Article no.		ESP550-C196
Max. system voltage	U_m (kV)	550
Type Termination		oil insulated, porcelain insulator
Applicable standards		IEC 62067
Rated lightning impulse withstand voltage BIL	(kV)	1550
Conductor cross section	(mm²)	630 - 2500
Diameter over cable insulation - prepared	(mm)	72 - 131
Max. diameter over outer cable sheath	(mm)	201
Minimum creepage distance	(mm)	19600