

Raychem Heat-Shrinkable Terminations IHVT-H/OHVT-H

Application

The TE Connectivity Raychem 52/72kV terminations are suitable for all climates, areas, and environments, even severely polluted areas, as well as for all installation conditions, including top feed installation.

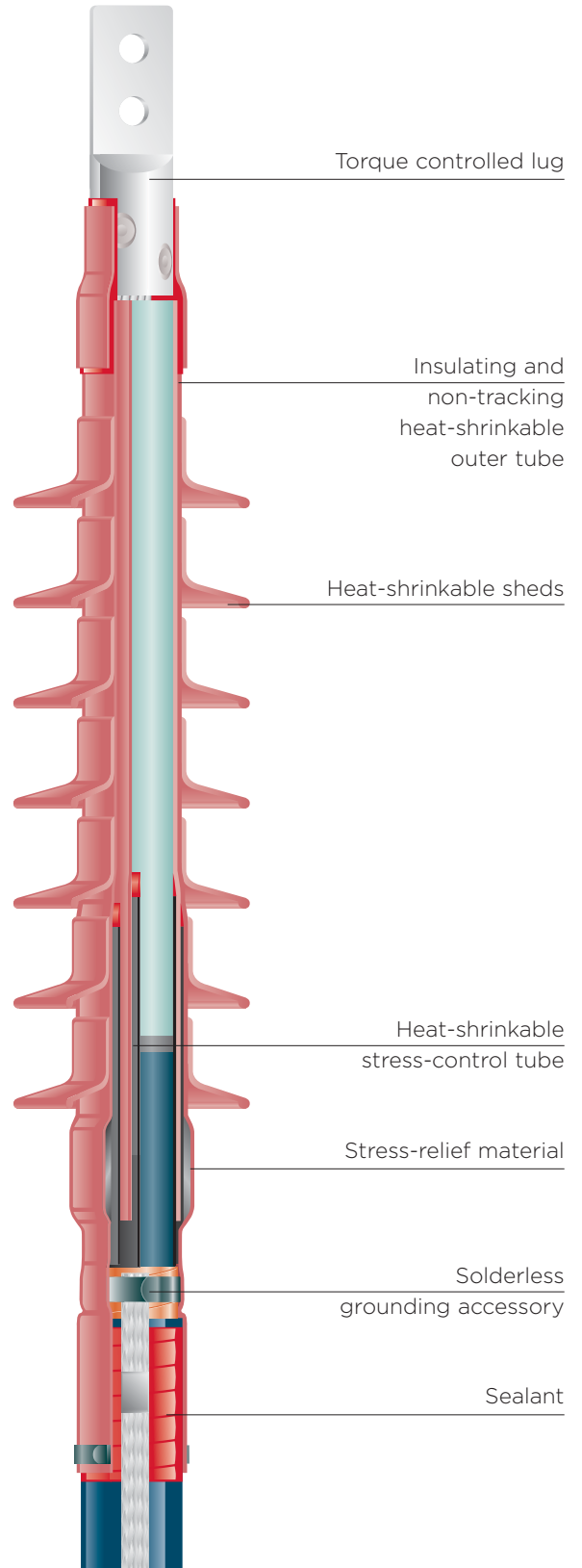
Our heat shrink accessories have been used by utilities and industrial companies around the world for more than 35 years.

Features

- Compact and modular design
- Heat-shrinkable stress control sleeves
- Non-tracking, heat-shrinkable outer insulation
- Water- and corrosion-resistant
- Different creepage distances available
- Easy to install
- Suitable for compression and mechanical lugs
- No special or expensive tools
- Lightweight components
- Unlimited shelf life under normal storage conditions
- No oil or compound filling
- Reduced waste for disposal
- Tested in accordance with IEEE 48 and IEC 60840
- Manufactured according to ISO 9001 and ISO 14001

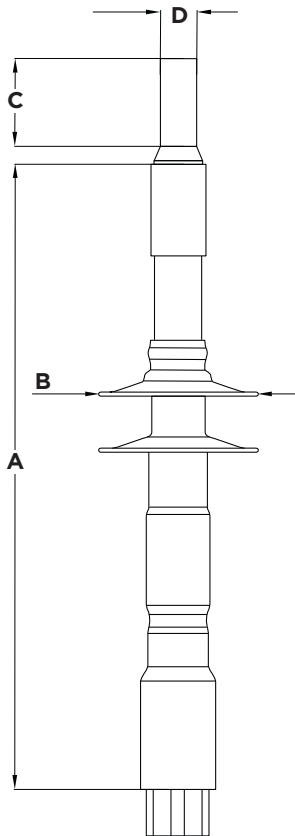
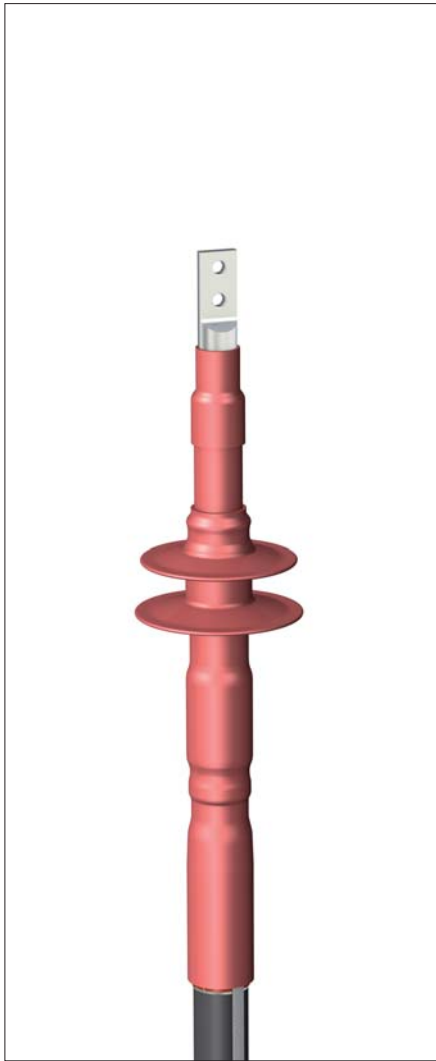


Construction and Design



Max. operating voltage U_m (kV)	52	72.5	123
Standards	IEC 60840 IEC 60815	IEC 60840 IEC 60815	IEC 60840 IEC 60815
Rated voltage U (kV)	45 - 47	60 - 69	110 - 115
Rated lightning impulse withstand voltage (BIL) (kV)	250	325	325
Partial discharge measurement (pC)	< 5	< 5	< 5

Raychem Heat-Shrinkable Terminations IHVT-52H



Technical data

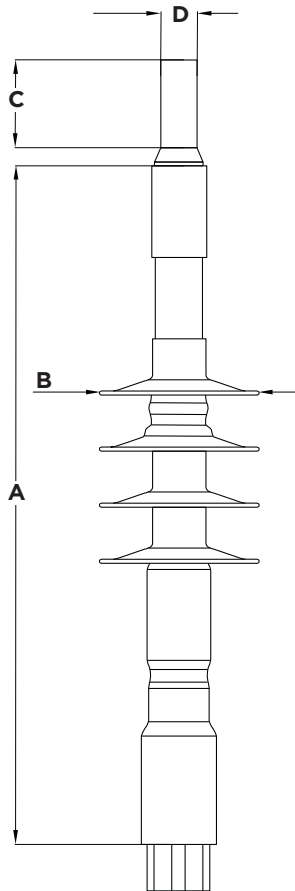
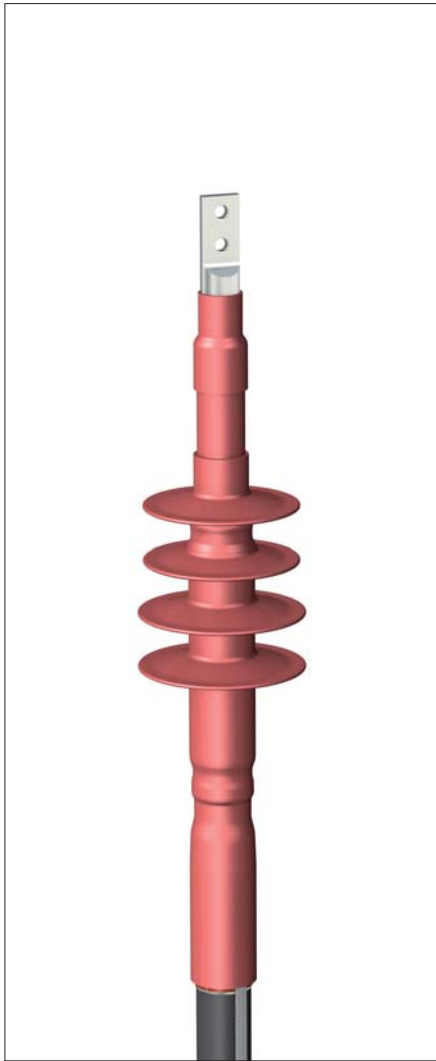
Product description	Conductor cross section (mm ²)	Diameter over cable insulation (prepared) (mm)	max. Diameter over outer cable sheath (mm)	min. Creepage Distance (mm)
IHVT-52H	95 - 2500	30 - 45	60	1100
IHVT-52H		38 - 55	70	1100
IHVT-52H		48 - 65	80	1100
IHVT-52H		58 - 77	100	1100

Dimensions

Product description	A (mm)	B (mm)	C (mm)	D* (mm)
IHVT-52H	800	220	125	30/40/50
IHVT-52H	800	220	125	30/40/50
IHVT-52H	800	220	125	30/40/50
IHVT-52H	800	220	125	30/40/50

* different studs and pads are available on request

Raychem Heat-Shrinkable Terminations OHVT-52H



Technical data

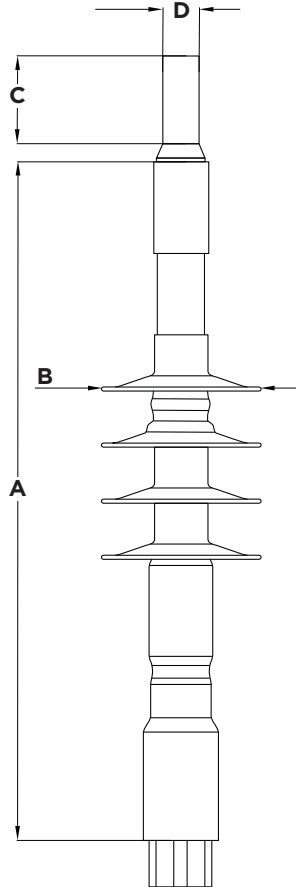
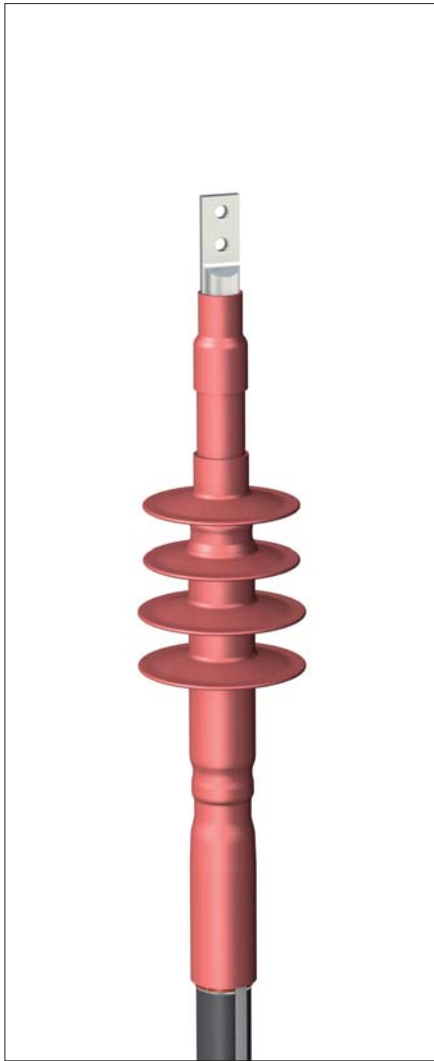
Product description	Conductor cross section (mm ²)	Diameter over cable insulation (prepared) (mm)	max. Diameter over outer cable sheath (mm)	min. Creepage Distance (mm)
OHVT-52H	95 - 2500	30 - 45	60	up to 1540
OHVT-52H		38 - 55	70	up to 1540
OHVT-52H		48 - 65	80	up to 1540
OHVT-52H		58 - 77	100	up to 1540

Dimensions

Product description	A (mm)	B (mm)	C (mm)	D* (mm)
OHVT-52H	920	220	125	30/40/50
OHVT-52H	920	220	125	30/40/50
OHVT-52H	920	220	125	30/40/50
OHVT-52H	920	220	125	30/40/50

* different studs and pads are available on request

Raychem Heat-Shrinkable Terminations IHVT-72H



Technical data

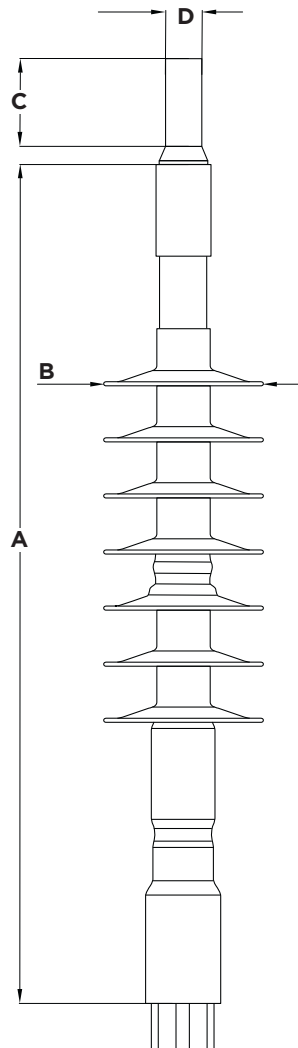
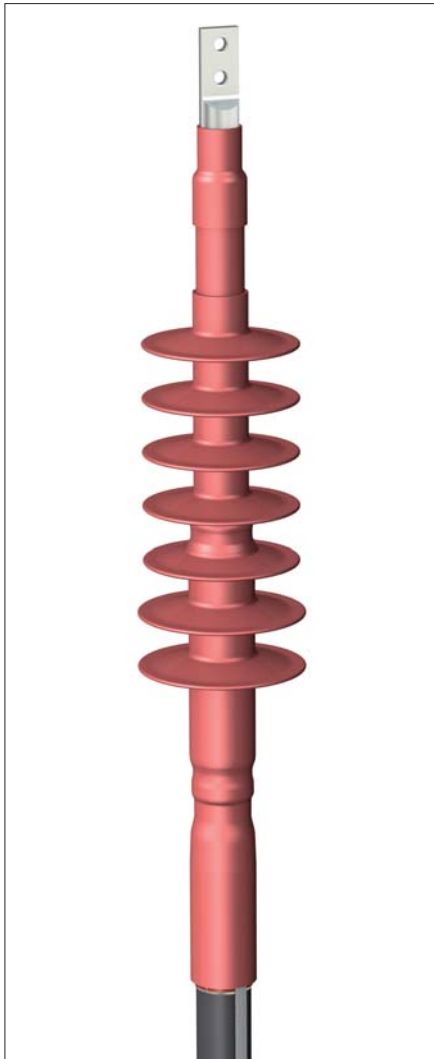
Product description	Conductor cross section (mm ²)	Diameter over cable insulation (prepared) (mm)	max. Diameter over outer cable sheath (mm)	min. Creepage Distance (mm)
IHVT-72H		30 - 45	60	up to 1600
IHVT-72H		38 - 55	70	up to 1600
IHVT-72H	95 - 2500	48 - 65	80	up to 1600
IHVT-72H		58 - 77	100	up to 1600
IHVT-72H		70 - 86	110	up to 1600

Dimensions

Product description	A (mm)	B (mm)	C (mm)	D* (mm)
IHVT-72H	960	220	125	30/40/50
IHVT-72H	960	220	125	30/40/50
IHVT-72H	960	220	125	30/40/50
IHVT-72H	960	220	125	30/40/50
IHVT-72H	960	220	125	30/40/50

* different studs and pads are available on request

Raychem Heat-Shrinkable Terminations OHVT-72H



Technical data

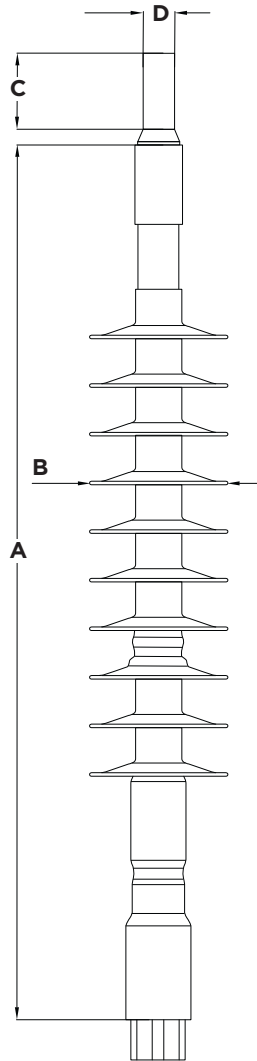
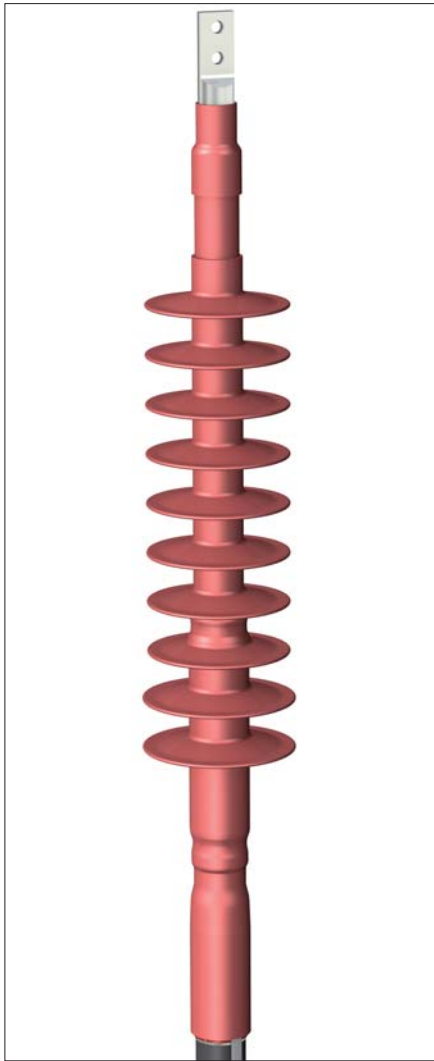
Product description	Conductor cross section (mm ²)	Diameter over cable insulation (prepared) (mm)	max. Diameter over outer cable sheath (mm)	min. Creepage Distance (mm)
OHVT-72H	95 - 2500	30 - 45	60	up to 2300
OHVT-72H		38 - 55	70	up to 2300
OHVT-72H		48 - 65	80	up to 2300
OHVT-72H		58 - 77	100	up to 2300
OHVT-72H		70 - 86	110	up to 2300

Dimensions

Product description	A (mm)	B (mm)	C (mm)	D* (mm)
OHVT-72H	1200	220	125	30/40/50
OHVT-72H	1200	220	125	30/40/50
OHVT-72H	1200	220	125	30/40/50
OHVT-72H	1200	220	125	30/40/50
OHVT-72H	1200	220	125	30/40/50

* different studs and pads are available on request

Raychem Heat-Shrinkable Terminations LHVT-72H



Technical data

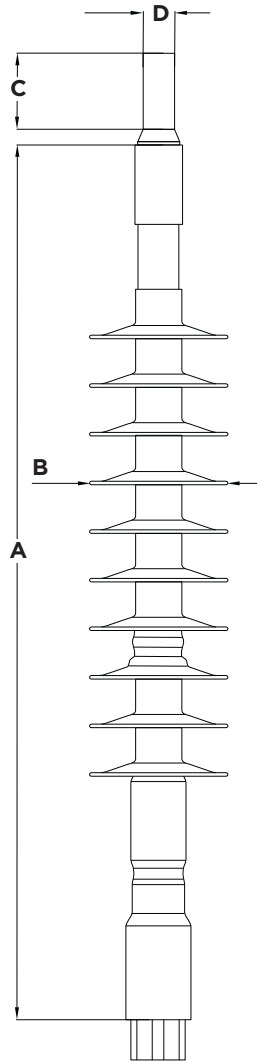
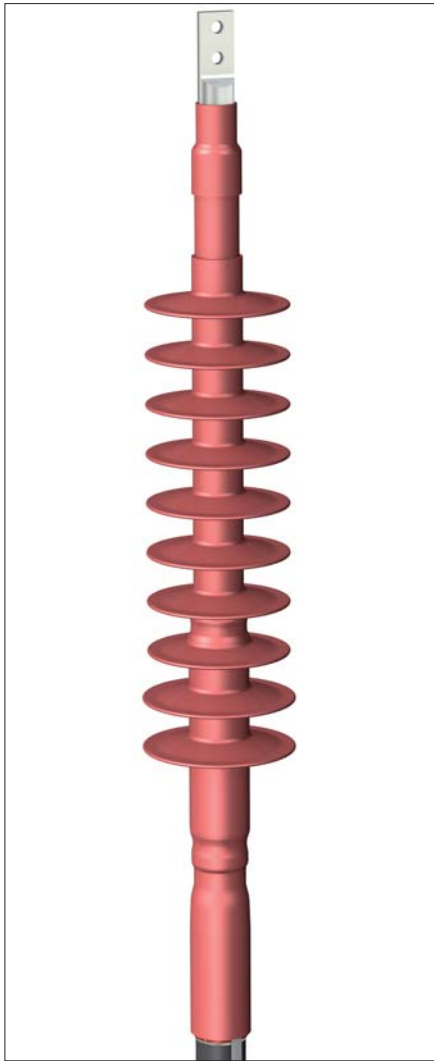
Product description	Conductor cross section (mm ²)	Diameter over cable insulation (prepared) (mm)	max. Diameter over outer cable sheath (mm)	min. Creepage Distance (mm)
LHVT-72H	300 - 2500	38 - 55	70	up to 3100
LHVT-72H		48 - 65	80	up to 3100
LHVT-72H		58 - 77	100	up to 3100
LHVT-72H		70 - 86	110	up to 3100

Dimensions

Product description	A (mm)	B (mm)	C (mm)	D* (mm)
LHVT-72H	1560	220	125	30/40/50
LHVT-72H	1560	220	125	30/40/50
LHVT-72H	1560	220	125	30/40/50
LHVT-72H	1560	220	125	30/40/50

* different studs and pads are available on request

Raychem Heat-Shrinkable Terminations OHVT-123H



Technical data

Product description	Conductor cross section (mm ²)	Diameter over cable insulation (prepared) (mm)	max. Diameter over outer cable sheath (mm)	min. Creepage Distance (mm)
OHVT-123H	95 - 1600	30 - 45	60	up to 3100
OHVT-123H		38 - 55	70	up to 3100
OHVT-123H		48 - 65	80	up to 3100
OHVT-123H		58 - 77	100	up to 3100
OHVT-123H		70 - 86	110	up to 3100

Dimensions

Product description	A (mm)	B (mm)	C (mm)	D* (mm)
OHVT-123H	1560	220	125	30/40/50
OHVT-123H	1560	220	125	30/40/50
OHVT-123H	1560	220	125	30/40/50
OHVT-123H	1560	220	125	30/40/50
OHVT-123H	1560	220	125	30/40/50

* different studs and pads are available on request

Raychem Heat-Shrinkable Terminations for DC Filter Cables FCEV

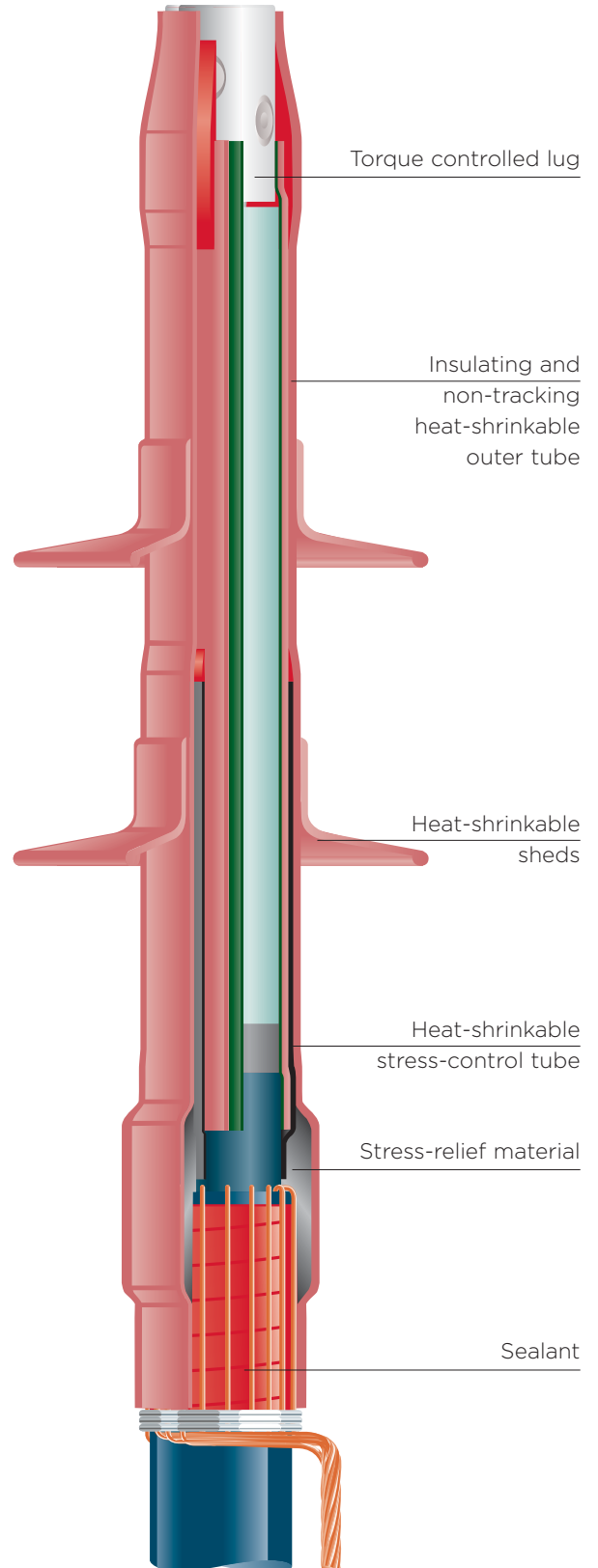
Application

The cable is prepared in the same simple and easy way as for Raychem medium voltage terminations without sanding or pencilling. Based on the design of Raychem high voltage terminations, the filter cable termination consists of a staggered layer of stress control tubings and patches. A heat-shrinkable non-tracking insulation tubing and shed are shrunk over the stress control system and ensure a reliable seal to the lug and the overshooth. A mechanical lug covering cross sections from 35mm² to 95mm² is supplied with the kit. The mechanical lug has an M10 thread on the top for easy connection to connecting busbars. The termination is supplied as a single phase termination. A solderless earth connection for cables with metal sheath is included in the termination kit.

Features

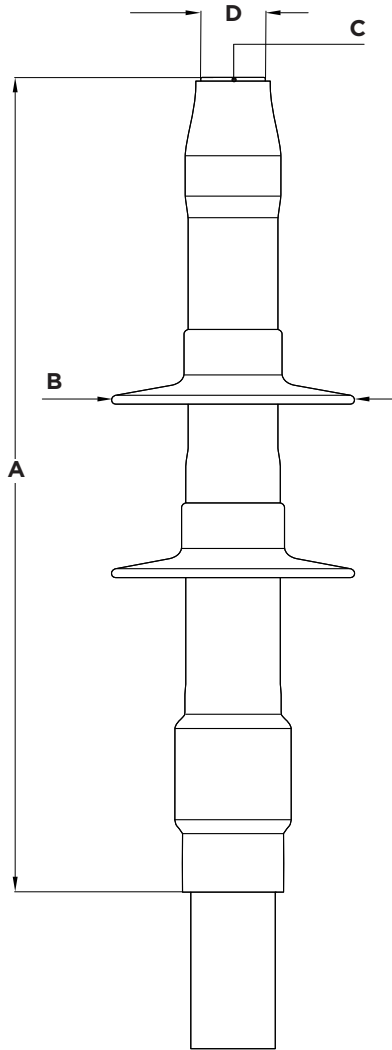
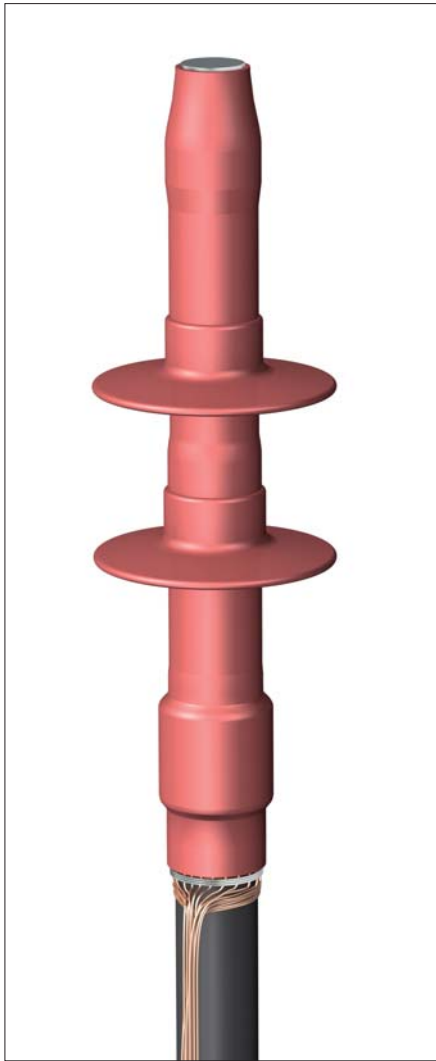
- Compact and modular design
- Heat-shrinkable stress control sleeves
- Non-tracking, heat-shrinkable outer insulation
- Easy to install
- No special or expensive tools
- Lightweight components
- Unlimited shelf life under normal storage conditions
- No oil or compound filling
- Reduced waste for disposal

Construction and Design



Max. operating voltage U_m (kV)	111	150
DC withstand test (kV)	200	300
Rated lightning impulse withstand voltage (BIL) (kV)	240	325
Partial discharge measurement (pC)	< 5 @ 42kV	< 5 @ 52kV

Raychem Heat-Shrinkable Terminations for DC Filter Cables FCEV



Technical data

Product description	No load voltage U_L (kV)	Conductor cross section (prepared) (mm ²)	Diameter over cable insulation (mm)	min. Creepage Distance (mm)
FCEV-111	111	35 - 95	26 - 38	1200
FCEV-150	150	35 - 95	26 - 38	1200
FCEV-150-1	150	95 - 240	38 - 52	1200

Dimensions

Product description	A (mm)	B (mm)	C	D (mm)
FCEV-111	500	155	M10	32
FCEV-150	700	155	M10	32
FCEV-150-1	700	155	M10	32