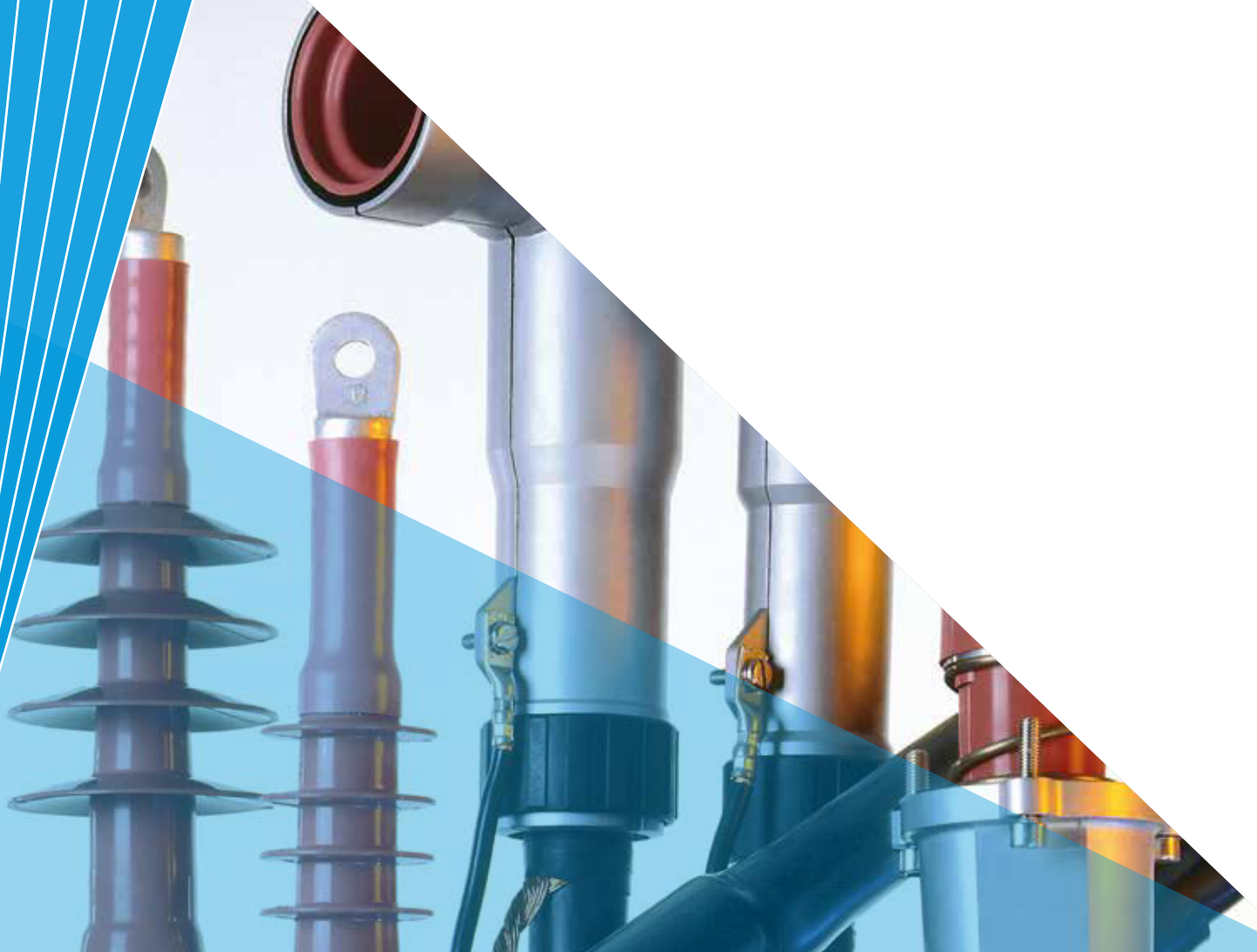


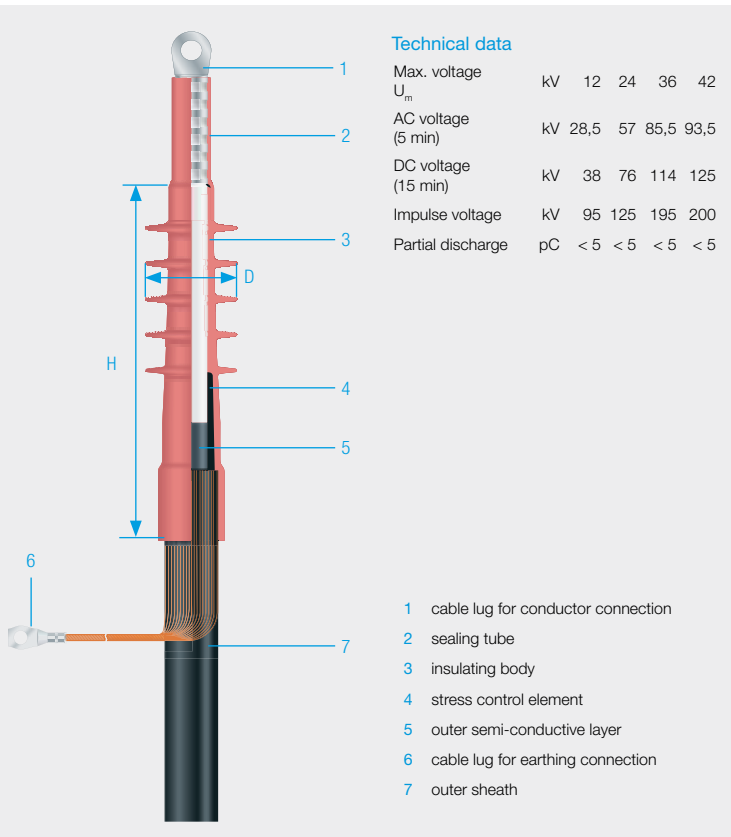
Cable Accessories

for XLPE-insulated medium voltage cables
12 – 52 kV



Indoor terminations

12 – 36 kV



Indoor terminations with silicone rubber push-on technology are set on cable with an insulation made of cross-linked polyethylene (XLPE).

Various optimisations have led to today's common multi-ranged terminations for 12 and 24 kV. This type of termination covers up to five conductor cross-sections with one insulating body and is compatible with cable lugs in compression-type and screwed-type.

The applied material of the insulating body features relatively low shore hardness (A). This helps to achieve good adaptation to irregularities in the XLPE cable cores that potentially occur when stripping the fix-bonded outer semi-conductive layer. Reworking the stripped core is then no longer necessary.

The indoor terminations significantly exceed the requirements of the DIN VDE 0278-629-1 and meets the requirements of CENELEC HD 629.1. A cable breakout is required for applications with three-core cables. Special cable clamps are available.

Type	Voltage U_m kV	Admissible diameter over core insulation mm	Allocation of insulating body acc. to cross-section ¹⁾ mm ²	Possible cross-sections with screwed-type lug mm ²	Measure H mm	Measure D mm
SEHDI 10.2	12	13.3 – 20.8	35 – 95	35 – 95	205	35
SEI 12	12	16.8 – 24.3	70 – 150	70 – 150	205	50
SEI 12	12	21.5 – 32.6	150 – 300	150 – 240	205	54
SEI 12	12	22.2 – 34.6	185 – 300	185 – 300	205	56
SEHDI 10.2	12	26.5 – 40.9	400 – 630	400	205	46
SEI 24	24	16.8 – 24.3	25 – 70	25 – 70	205	50
SEI 24	24	21.5 – 32.6	95 – 240	95 – 240	205	54
SEI 24	24	22.2 – 34.6	150 – 300	150 – 300	205	56
SEHDI 20.2	24	30.0 – 45.0	300 – 630	300 300 – 400	215	69
SEHDI 20.2	24	34.1 – 45.0	400 – 630	400 – 630	215	69
SEHDI 30.1	36	23.1 – 26.7	35 – 50	35 – 50	270	77
SEHDI 30.1	36	25.9 – 30.0	70 – 95	70 – 95	270	77
SEHDI 30.1	36	29.0 – 33.5	120 – 150	120 – 150	270	77
SEHDI 30.1	36	32.1 – 37.6	185 – 240	185 – 240	270	83
SEHDI 30.1	36	36.6 – 42.8	300 – 400	300 300 – 400	270	83
SEHDI 30.1	36	42.6 – 50.0	500 – 630	500 – 630	270	88

1) for cables acc. to DIN VDE 0276-620

Outdoor terminations

12 – 36 kV

Outdoor terminations with silicone rubber push-on technology are set on cable with an insulation made of cross-linked polyethylene (XLPE).

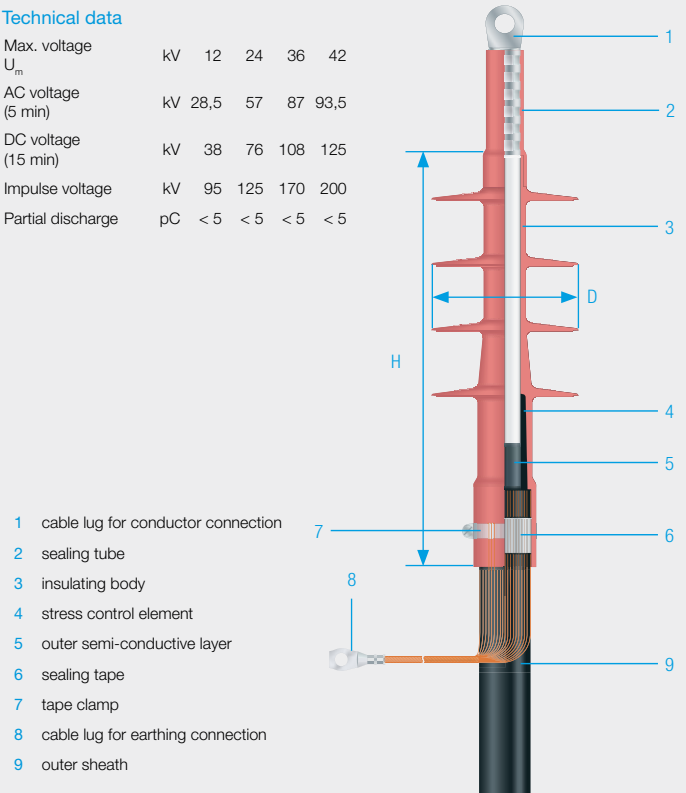
Various optimisations have led to today's common multi-ranged terminations for 12 and 24 kV. This type of termination covers up to five conductor cross-sections with one insulating body and is compatible with cable lugs in compression-type and screwed-type.

The applied material of the insulating body features relatively low shore hardness (A). This helps to achieve good adaptation to irregularities in the XLPE cable cores that potentially occur when stripping the fix-bonded outer semi-conductive layer. Reworking the stripped core is then no longer necessary.

The outdoor terminations significantly exceed the requirements of the DIN VDE 0278-629-1 and meets the requirements of CENELEC HD 629.1. A cable breakout is required for applications with three-core cables. Special cable clamps are available for fastening the cables at pole traverses or scaffolding. (see page 24)

Technical data

Max. voltage U_m	kV	12	24	36	42
AC voltage (5 min)	kV	28,5	57	87	93,5
DC voltage (15 min)	kV	38	76	108	125
Impulse voltage	kV	95	125	170	200
Partial discharge	pC	< 5	< 5	< 5	< 5



- 1 cable lug for conductor connection
- 2 sealing tube
- 3 insulating body
- 4 stress control element
- 5 outer semi-conductive layer
- 6 sealing tape
- 7 tape clamp
- 8 cable lug for earthing connection
- 9 outer sheath

Type	Voltage U_m		Admissible diameter over core insulation mm	Allocation of insulating body acc. to cross-section ¹⁾ mm ²	Possible cross-sections with screwed-type lug mm ²	Measure H mm	Measure D mm
	kV						
SEHDF 10.2	12		13.3 – 20.8	35 – 70	35 – 70	225	105
SEHDF 10.2	12		16.8 – 24.3	95 – 150	95 – 150	225	105
SEF 12	12		21.6 – 32.6	150 – 300	150 – 240	260	92
SEF 12	12		22.2 – 34.6	185 – 300	185 – 300	260	94
SEHDF 10.2	12		30.0 – 45.0	400 – 630	400	225	120
SEHDF 20.2	24		16.8 – 24.3	25 – 70	25 – 70	225	105
SEF 24	24		21.6 – 32.6	95 – 240	95 – 240	260	92
SEF 24	24		22.2 – 34.6	150 – 300	150 – 300	260	94
SEHDF 20.2	24		30.0 – 45.0	300 – 630	300 300 – 400	225	120
SEHDF 20.2	24		34.1 – 45.0	400 – 630	400 – 630	225	120
SEHDF 30.1	36		23.1 – 26.7	35 – 50	35 – 50	375	133
SEHDF 30.1	36		25.9 – 30.0	70 – 95	70 – 95	375	133
SEHDF 30.1	36		29.0 – 33.5	120 – 150	120 – 150	375	138
SEHDF 30.1	36		32.1 – 37.6	185 – 240	185 – 240	375	138
SEHDF 30.1	36		36.6 – 42.8	300 – 400	300 300 – 400	375	144
SEHDF 30.1	36		42.6 – 50.0	500 – 630	500 – 630	375	151

1) for cables acc. to DIN VDE 0276-620