


# Cold Shrink Terminations For 3Core XLPE Cables up to 24kV

**JOINTMASTER** proudly introduces the new  elcon range of cold shrink terminations for indoor and outdoor use on three core XLPE cables up to 24kV. This unique design incorporates two unparalleled features offered in a cold shrink termination.

- A long tail length [up to 400mm] in one silicone cold shrinkable tube, eliminates the necessity to overlap numerous tubes.
- For ease of installation - Separate cold shrinkable rain sheds
- Separate cold shrinkable high permittivity stress control tube.
- All of the terminations have been independently tested by KEMA to CENELEC HD628.S1:1996 & HD629.1S1:1996 requirements

## Test requirements for XLPE cable terminations - In accordance with CENELEC HD629.1 S1

TEST no	REQUIREMENT	12kV	24kV
1	(a) Rated withstand voltage AC - Dry (b) Rated withstand voltage AC - Dry (c) Rated withstand voltage AC - Wet	28,5kV - 5 min 16kV - 15 min 25,5kV - 1 min	57kV - 5 min 32kV - 15 min 51kV - 1 min
2	D.C. Voltage withstand - Dry	38kV - 15 min	76kV - 15min
3	Rated impulse Voltage 10 pos & 10 neg	95kV	125kV
4	Partial discharge (N/A to PILC)	<5pC @ 12kV	<5pC @ 12kV
5	Load cycling @ max cable temp (a) In air 3 cycles (b) In air 123 cycles (c) In air 113 cycles (d) In air 60 cycles (e) In 1 mtr Water 63 cycles (f) Immersion in water 10 cycles	16kV	32kV
6	Humidity test (a) 300hr @spray rate 0.3dm <sup>3</sup> /m <sup>3</sup> Salt Fog test (b) 1000hr @spray rate 0.3dm <sup>3</sup> /m <sup>3</sup>	8kV 8kV	16kV 16kV
7	Impact test @ ambient temp	> 1000 M ohm	> 1000 M ohm
8	Impact test @ low temp -20°C for 2hr	> 1000 M ohm	> 1000 M ohm

Test Sequence:	Test Number
Indoor Terminations	2, 1(a), 4, 3, 5(a), 4, 5(b), 4, 3, 1(b), 6(a)
Outdoor Terminations	2, 1(a), 1(c), 4, 3, 5(a), 4, 5(c), 5(f), 4, 3, 1(b), 6(b)
Joints	2, 1(a), 4, 7, 3, 5(a), 4, 5(d), 5(e), 4, 3, 1(b), 8

*Setting the Standards in Cable Jointing*