

MEDIUM VOLTAGE TERMINATION – PUSH ON SOLUTION UP TO 24 KV

ECOLD STEI 24

ECOLD STEI is Elcon Megarad range of push-on termination for indoor connections of polymeric insulated cables up to 24 kV.

The installation is very easy and fast:
no heating, no special tools, no carrier tube removal.

The electrical field stress control is achieved by means of the Elcon Megarad specially formulated high permittivity tape.

The insulator is made of one piece molded anti-tracking silicone rubber.



Application

Indoor connections up to 24 kV (U_m) – B.I.L. 125 kV of polymeric insulated cables with copper wires metallic screen.

Suitable for crimping and mechanical lugs according to the dimensions indicated in the table below.
For bigger lug dimensions, the lug can be installed after the insulator positioning.

Storage: up to + 50°C

Compliant with standards HD 629.1 S2, CEI 2062/1.

Selection guide

| Size | Cable insulation diameter range [mm] | Max outer cable diameter [mm] | Max outer lug diameter (*) [mm] | Cable conductor cross section (FOR GUIDANCE ONLY) [mm ²] | | |
|-------------------|--------------------------------------|-------------------------------|---------------------------------|--|--------------------|-----------------|
| | | | | 6.35/11 (12) [kV] | 8,7/15 (17,5) [kV] | 12/20 (24) [kV] |
| ECOLD STEI – 2401 | 16,0 – 19,0 | 29 | 21 | 50 - 70 | 25 - 50 | 25 - 35 |
| ECOLD STEI – 2402 | 19,2 – 23,0 | 35 | 26 | 95 - 150 | 70 - 120 | 35 - 70 |
| ECOLD STEI – 2403 | 23,0 – 27,8 | 39 | 32 | 185 - 240 | 120 - 185 | 95 - 150 |
| ECOLD STEI – 2404 | 26,5 – 31,5 | 44 | 36 | 300 - 400 | 240 - 300 | 150-240 |
| ECOLD STEI – 2405 | 31,5 – 37,7 | 49 | 43 | 400 - 500 | 400 - 500 | 300 - 400 |
| ECOLD STEI – 2406 | 37,5 – 45,0 | 52 | 52 | 630 | 630 | 500 - 630 |

(*) For bigger conductor lug dimensions, ask for the kit suitable for lug installation after the insulator positioning.

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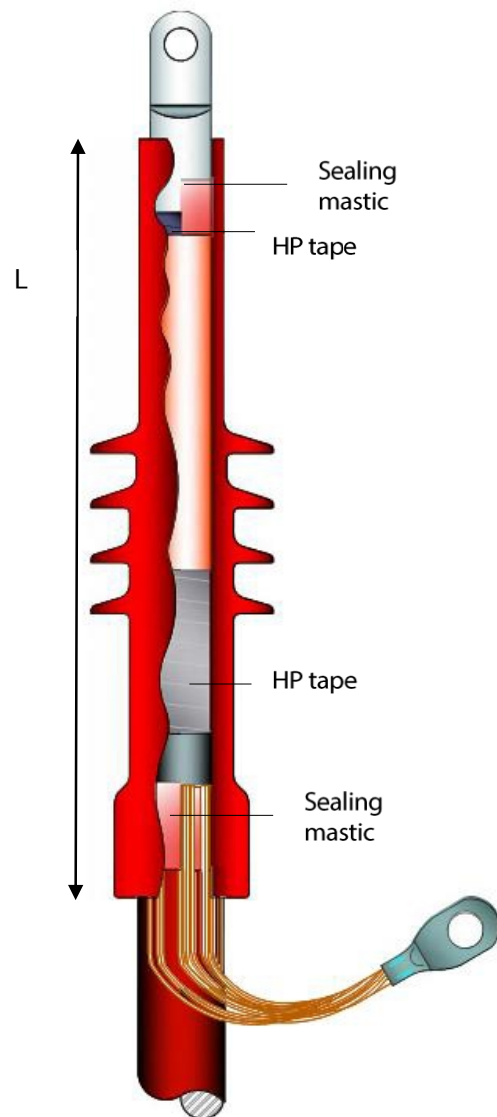
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Kit components

- Insulator
- High permittivity stress control tape
- Water sealing mastic
- Lubricating grease
- Earthing lug
- PVC tape, abrasive cloth, cleaning tissue and gloves, installation instruction
- Conductor lug (optional)
- Silicone tape (**)

(**) Only for installation of lugs after the insulator positioning.

| Sheds N° | L max [mm] | Outer shed max [mm] |
|----------|------------|---------------------|
| 4 | ≈320 | ≈80 |



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power cable accessories

Elcon Megarad S.p.A.

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