



Raychem RPG Limited

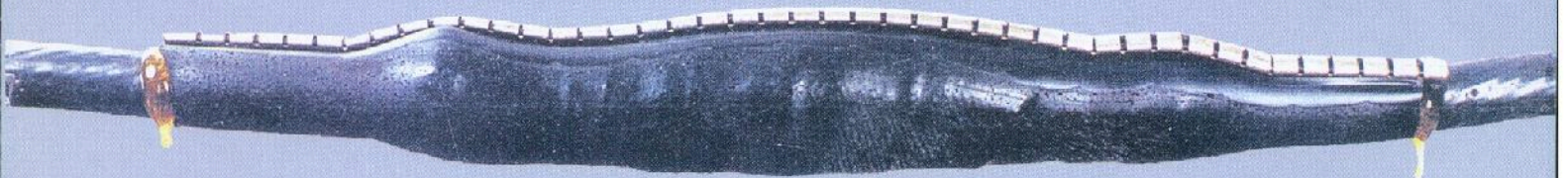
**HEAT SHRINKABLE HVT TERMINATIONS AND HVS-X JOINTS
3 CORE, 6.6 KV (UE)/11KV (E), XLPE CABLES.**



HVT INDOOR TERMINATION



HVT OUTDOOR TERMINATION



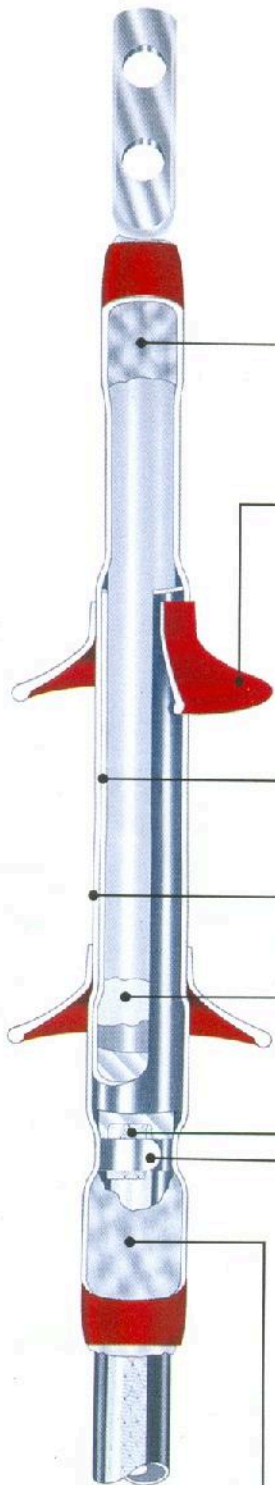
HVS-X STRAIGHT JOINT

SUCCESSFULLY TYPE TESTED AT
CENTRAL POWER AND RESEARCH
INSTITUTE, BANGALORE IN
ACCORDANCE WITH IS-13573-1992
WITH LATEST AMENDMENTS

HVT TERMINATIONS

Rugged reliability and fast easy installations

Reliable Field Proven Performance • Ease of Installation • No shelf life limitations



Moisture Sealing

■ Nontracking, High-Voltage Sealant

- Provides a watertight seal when combined with heat-shrinkable material
- Will not harden or crack

Additional Creepage and Outdoor Applications

■ Heat-Shrinkable Skirts

- Increase surface creepage distance
- Easily adapt terminations for outdoor use
- Skirts may be inverted for terminations facing downward

Electrical Stress Control and Insulation

■ Heat-Shrinkable Stress Control Tubing

- Factory engineered tubing reduces the electrical stress gradient at the end of the cable shield to safe operating levels (not applicable to nonshielded cable)
- Shrinks to fit out-of-spec cable
- Ensures long-term electrical performance

■ Nontracking, Heat-Shrinkable Outer Insulation Tubing

- Factory-engineered tubing provides excellent UV stability
- Withstands polluted environments
- Proven to withstand severe applications

■ Stress Relief Material

- Minimizes stress at the shield cutback
- Applies easily, smoothing the step at the cable semicon edge and filling any voids
- Acts as a secondary moisture seal

Shielding and Solderless Grounding

■ Ground Braid

- Provides shield continuity

■ Ground Clamp

- A constant force roll spring ensures secure grounding without soldering (optional components supplied at extra cost)

Moisture Sealing

- • Nontracking, High-Voltage Sealant

HVS-X JOINTS

Fast consistent installations to perform reliably in tough operating conditions

Superior long term performance • Fast, easy to install joint • Slim Profile • No shelf life limitation

1. Electrical Stress Control

Stress Relief Material

Minimizes stress around the connector and at the shield cutback.

Heat-Shrinkable Stress Control Tubing

Factory-engineered tubing reduces the electrical stress to safe operating levels.

Delivers long-term stable electrical performance

2. Insulation and Semiconductive Layer

Heat-Shrinkable Dual-Layer Insulation/Conductive Shield Tubing

Factory-engineered system delivers consistent insulation thickness without field measurements

Outer conductive layer reconstructs the cable's insulation shield. Inner insulation wall provides insulation thickness to meet or exceed that of the cable. Both layers are factory-bonded to ensure a void-free interface between the insulation and shield.

3. Shielding and Grounding

Ground Braid

- Provides shield continuity across the splice.

Shielding Mesh

- Surrounds the splice for personnel protection.

Ground Clamp

- Connection components are available for most cable types.

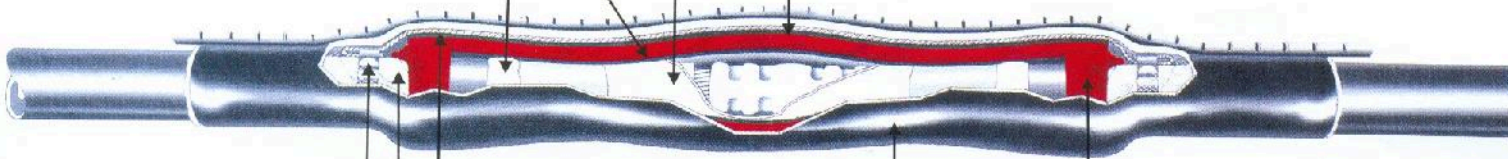
4. Moisture Sealing and Mechanical Protection

Moisture Sealant

- Internal moisture seal prevents migration of moisture even on cables with jacket damage.

Heat-Shrinkable Adhesive-Lined Sleeve or Wraparound Jacket

- Heat-activated adhesive creates a positive moisture seal between the cable and joint
- Tough, crosslinked polyolefin materials provide impact and abrasion resistance.



SELECTION CHART

HVT Terminations and HVS-X joints for 3 core, 6.6 KV (UE)/11KV(E), XLPE Cables

A. Indoor Terminations

Cable Size (SQ. MM.)	Kit No
16-35	HVT-3091
50-95	HVT-3101
120-185	HVT-3111
240-300	HVT-3121
400	HVT-3131

B. Outdoor Terminations

Cable Size (SQ. MM.)	Kit No.
16-35	HVT-3342
50-95	HVT-3352
120-185	HVT-3362
240-300	HVT-3372
400	HVT-3382

C. Straight Through Joints

Cable Size (SQ. MM.)	Kit No.
16-35	HVS-X-13
50-95	HVS-X-59
120-185	HVS-X-1218
240-400	HVS-X-2440

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