

BMHA Rayligator II

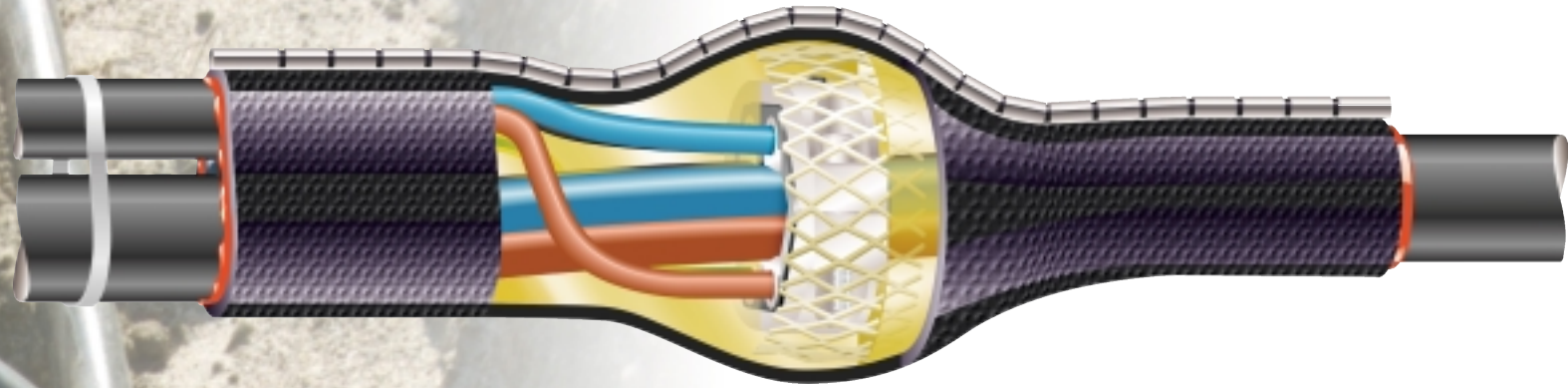
1 kV heat-shrinkable branch joint for
4-core PVC-insulated cables without armour
using multi-core connectors

Features

- Green non-toxic filler material
- Rugged and environmentally friendly components
- No mixing required
- Unlimited shelf life
- Compact design
- Few components
- Simple to install, high reliability
- Live installation
- No bulky contaminated waste or costly waste disposal
- Exceeds CENELEC HD 623 requirements



**1 kV heat-shrinkable branch joint for
4-core PVC-insulated cables without armour
using multi-core connectors**



Modern jointing

Raychem has introduced a filled branch joint for low-voltage PVC-insulated cables as a revolutionary alternative to two-component filler systems. Based on Raychem's outstanding materials science, this technology is yet another breakthrough in modern jointing. The advanced system has many benefits:

- Compact design
- Few components
- Simple and fast to install
- Live installation
- Range taking
- Reduced waste disposal

Green filler material

Rayligator II uses a green non-toxic, rugged and environmentally friendly material to fill the whole joint area. This high-performance filler material is an integral part of the outer fibre-reinforced heat-shrinkable wraparound. No chemical reaction takes place and no on-site mixing is needed.

Shelf life restrictions

In contrast to conventional two-component filler systems, Rayligator II joints have virtually unlimited shelf life.

Rugged outer sealing and protection

Modern cable laying techniques demand that the oversheath be restored in such a way that it is capable of withstanding the high mechanical stresses during cable laying and high mechanical impact during its whole service life.

The fibre-reinforced heat-shrinkable wrap-around is coated on the inside with a hot-melt adhesive that seals the joint effectively against moisture and protects it against corrosion. This wraparound ensures a tough and lasting joint.



Void-free

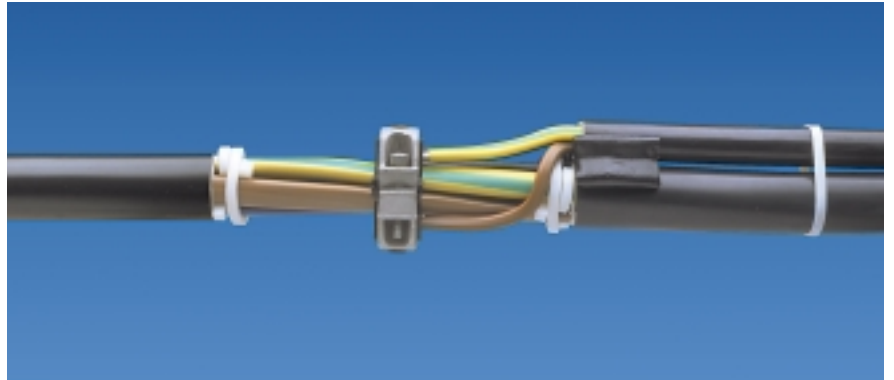
This cable cross-section shows the perfectly filled inner joint area.

Jointing is easy ...

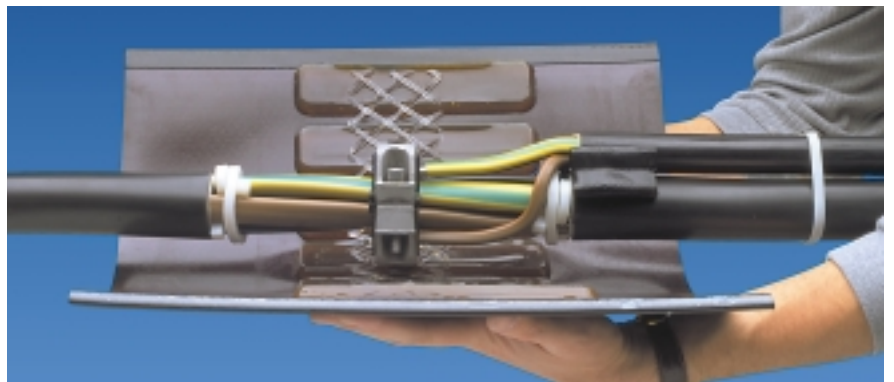
Each kit contains easy-to-follow instructions with excellent visuals for each step of the short installation procedure. Installation is reduced to three steps:

Prepare – Connect – Shrink

The prepared cable showing the core separators in the crutch and the multi-core connector installed. The gap between the main and branch cables is sealed with mastic.



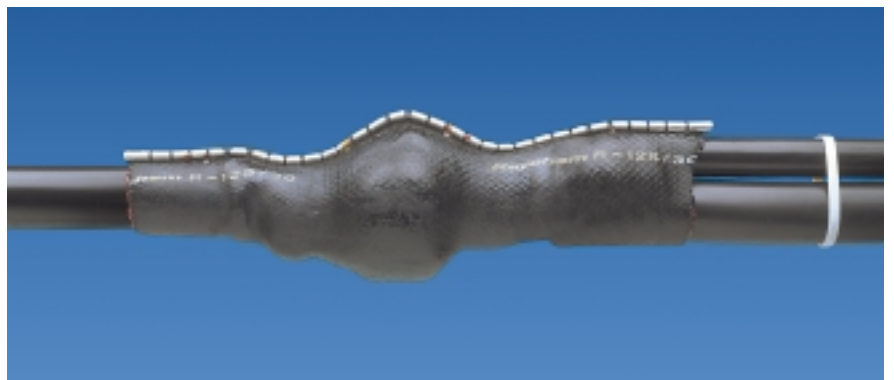
The wraparound with integrated filler blocks is positioned so that the spacer mesh is around the multi-core connector.



When closed, the wraparound overlaps the oversheath of the main and branch cables. The shrinking process is begun at the outer edges and continued towards the centre of the joint.

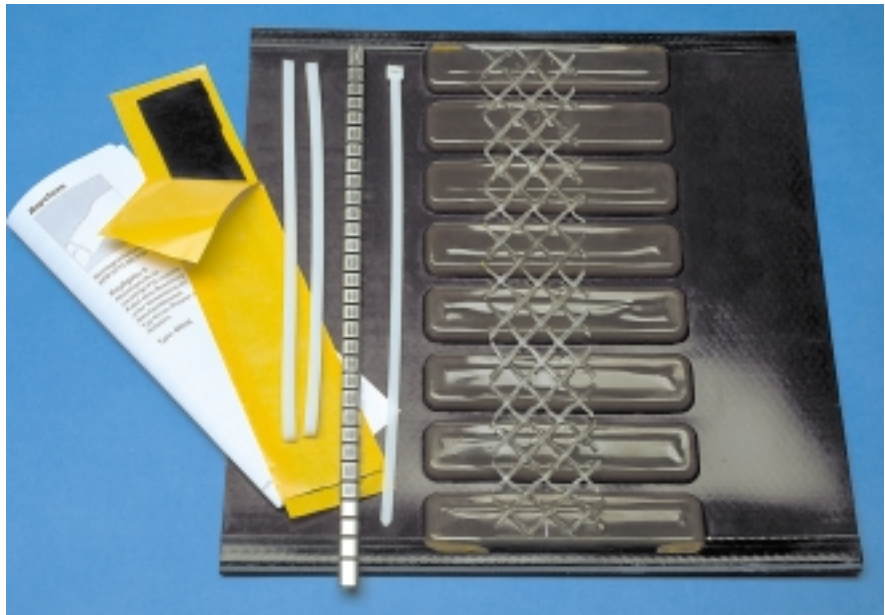


The installation is finished when the shape of the connector becomes visible and all transition areas are smooth.



This is the kit ...

A set of prefabricated components that requires no special tools.



Summary of tests performed on Rayligator II

CENELEC HD 623

Rayligator II joints have been tested in accordance with CENELEC specification HD 623 which includes international standards such as IEC, British Standards and VDE.

Additional tests

Low-temperature performance, impact test, live installation

Raychem cable accessories have been used by utilities and other industries around the world for more than 30 years. This field experience has enabled Raychem to become a leader in materials technology for cable accessories.

•Wedge technology products •Electrical connectors •Cable accessories •Asset protection •Surge arresters •Insulators •Electrical connectors •Fittings •Associated toolings

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Electronics

Members of the Tyco Electronics Corporation:



Energy Division
AMP
Raychem
SIMEL

Tyco Electronics Raychem GmbH
Energy Division
Haidgraben 6
85521 Ottobrunn/Munich
Germany
Tel. (089) 6089-0
Fax (089) 609 63 45

Tyco Electronics Corporation
Energy Division
8000 Purfoy Road
Fuquay-Varina,
NC 27526-9349, USA
Tel. (800) 327-6996
Fax (800) 527-8350

Tyco Electronics Corporation
Energy Division
c/o AMP Singapore Pte Ltd
No. 26 Ang Mo Kio Industrial Park 2
Singapore 569507
Tel. 65-4836012
Fax 65-4836031

www.tycoelectronics.com