

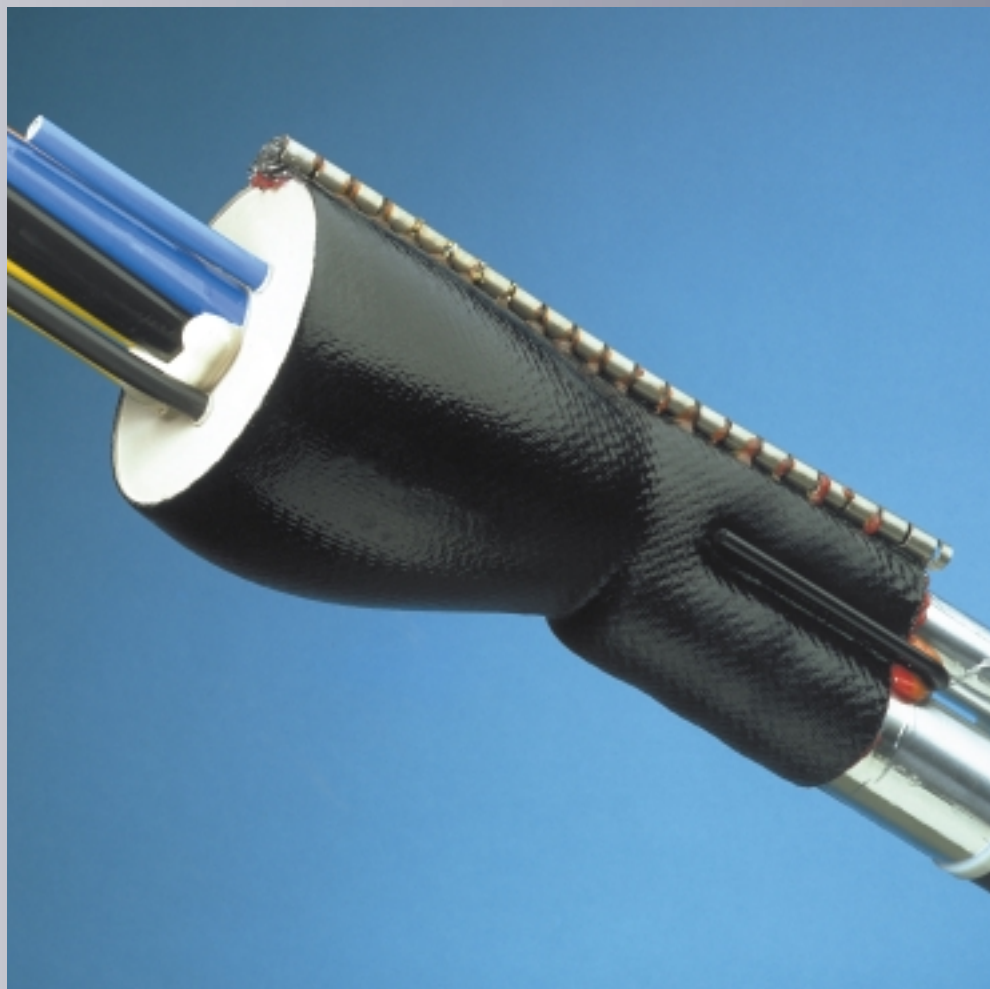
tyco

Electronics

Energy Division

Raychem

Rayligator
Heat-shrinkable 1 kV branch joints for
4-core plastic cables without armour
and for multi-core connectors



**Rayligator
Heat-shrinkable
1 kV branch joints for
4-core plastic cables
without armour and for
multi-core connectors**

First introduced in 1991, the Rayligator filled branch joint for low voltage cables offers a modern alternative to two component filler systems. The Rayligator branch joint system uses a pressure resistant mastic to fill the entire joint area. The mastic ensures good sealing to the plastic insulation as well as to the metal connector.

Rayligator joints are tough.

The outer heat-shrinkable sleeve is reinforced with rugged fibres giving a tough joint. The mastic fills the joint area and prevents any ingress of water.

Rayligator joints are easy to install.

Simply apply the mastic around the joint area and cover it with the outer heat-shrinkable sleeve. Heat the sleeve with a suitable torch until the green indicator colour disappears. Heating is completed within a few minutes even in cold weather.

Rayligator joints have no shelf life restriction.

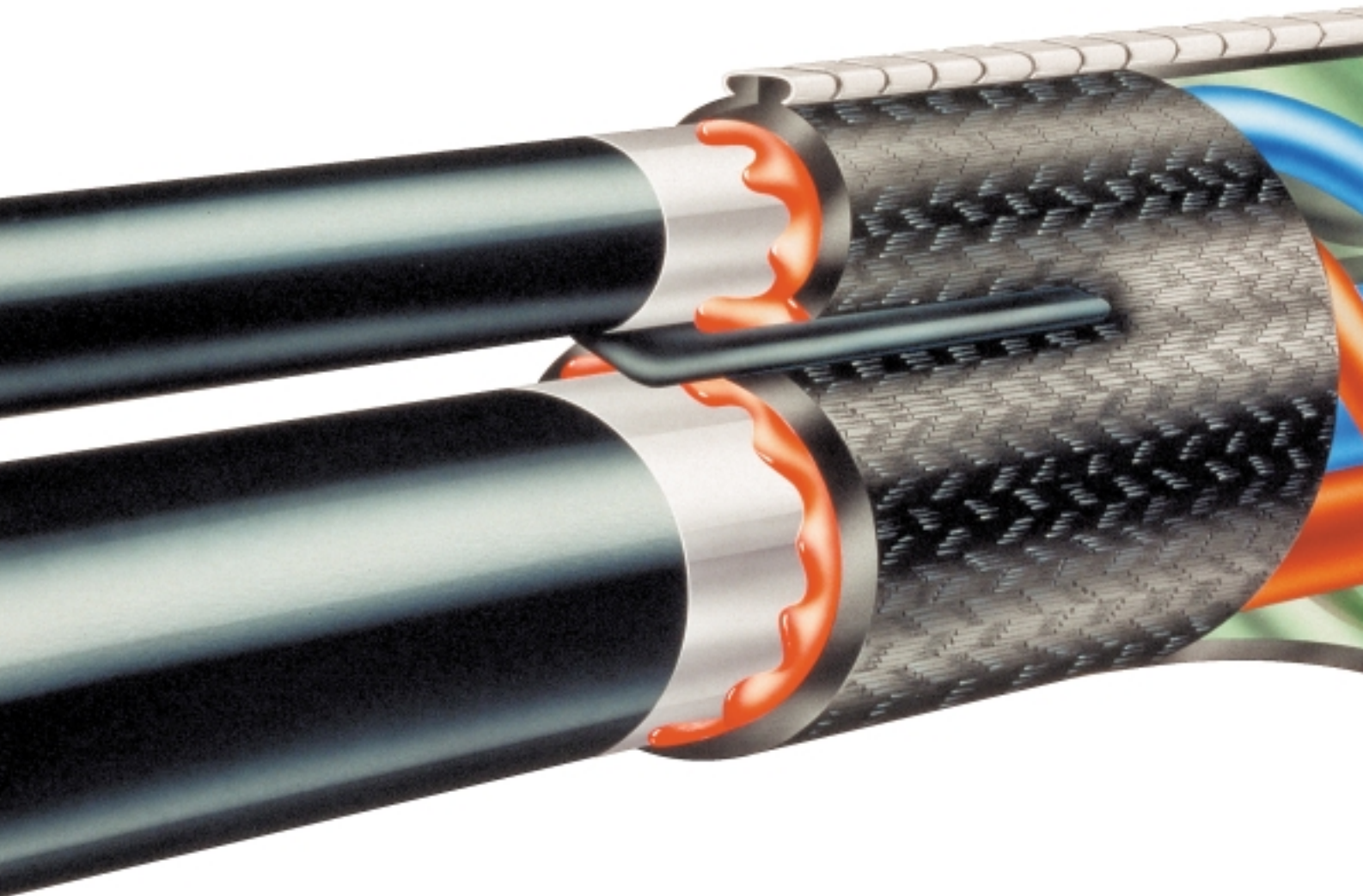
You don't have to worry about the expiry date as with conventional two component fillers since the mastic has an unlimited shelf-life.

Rayligator joints are clean.

Because the kit contains no liquids, the hazards associated with handling conventional two component or bitumen fillers are eliminated. The Rayligator mastic S1291 neither contains any substances classified as dangerous according to Annex 1 of the EEC Directive 67/548 nor is the preparation dangerous, according to EEC Directive 88/379. When the installation is completed there are no harmful residues or messy containers requiring special and costly disposal.

Rayligator joints are tested.

Rayligator joints meet VDE 0278, part 3 and the Raychem specification PPS 3013.



Installation Steps

Prepare the cable in the normal way.

Insert two sticks of mastic between the main cable cores to fulfill the sealing in the area of the multi-core connector.

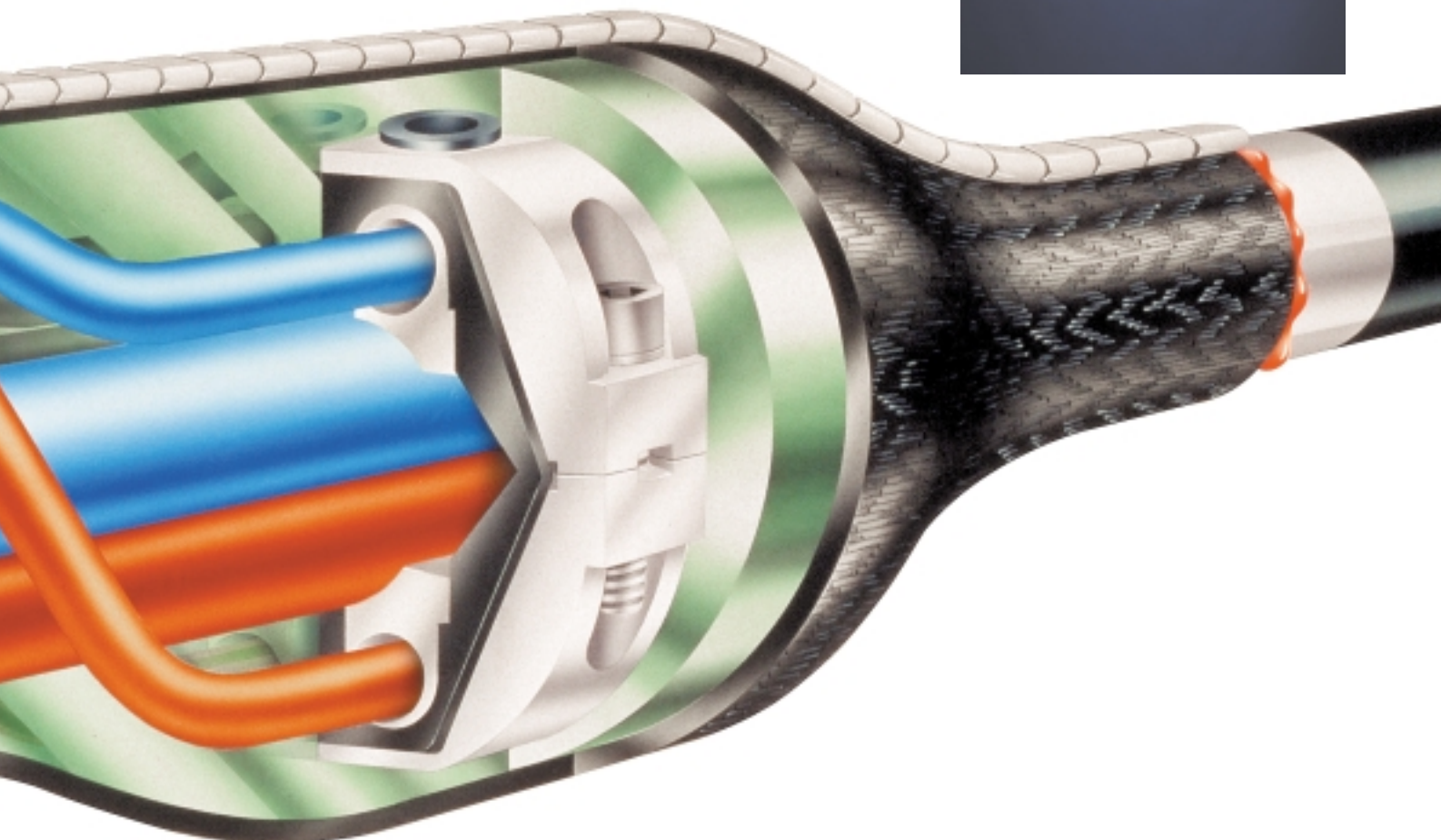
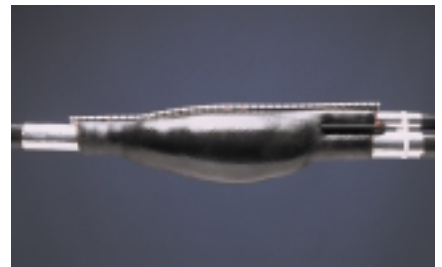
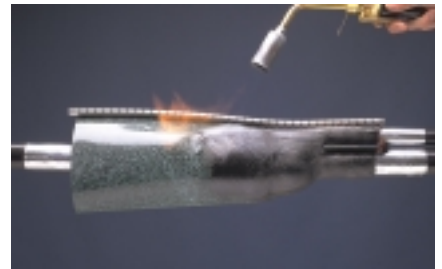
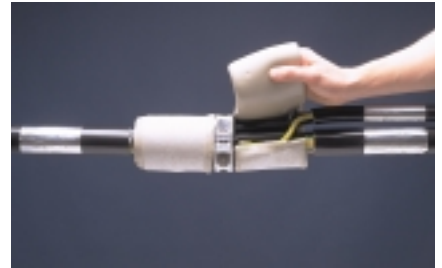
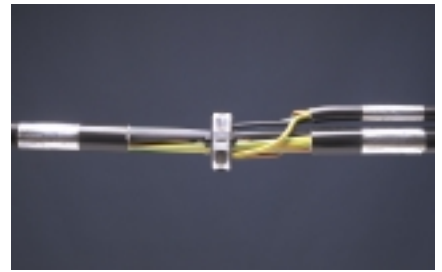
Wrap the three mastic sheets around the joint area.

Install the wraparound sleeve and secure it with the metal channel.

Seal the gap between the main and the branch cable with the special adhesive clip.

Heat the sleeve with a regular torch until the green indicator colour disappears.

Continue heating for a further two minutes, allowing the mastic to fill and seal the entire joint area and the sleeve to tightly conform to the cables.



Selection Table - Ordering Information - Dimensions

Main Cable Cross Section (mm ²)	Branch Cable Cross Section (mm ²)	Multi-Core Connector max. Diameter (mm)	Part No.	Dimensions (approx.)	
				Length (mm)	Diameter (mm)
16-185	6- 95	115	BMHM 1001-4B1*	500	135
95-185	6- 95	115	BMHM 1001-4C1	500	135
95-240	6-150	135	BMHM 1001-4D2	560	155

Installation Instruction: EPP 0380 or EPP 0385

* The application range of this kit can also be covered with the kit BMHM-4C1 and a separately ordered black mastic EPPA 206-4-250 as a shim.

Note: Rayligator Branch Joints for 3-core plastic insulated cables with concentric neutral as well as paper (main) and plastic (branch) insulated cables on request.

All of the above information, including drawings, illustrations and graphic designs, reflects our present understanding and is to the best of our knowledge and belief correct and reliable. Users, however, should independently evaluate the suitability of each product for the desired application. Under no circumstances does this constitute an assurance of any particular quality or performance. Such an assurance is only provided in the context of our product specifications or explicit contractual arrangements. Our liability for this product is set forth in our standard terms and conditions of sale. AMP, DULMISON, HELLSTERN, RAYCHEM, SIMEL are trademarks of Tyco International Ltd.

tyco

Electronics

Energy Division

Argentina

Phone: ++54-11-4733 2277
Fax: ++54-11-4733 2267

Australia

Phone: ++61-2-4390 1111
Fax: ++61-2-4353 2497

Brazil

Phone: ++55-11-861 1311
Fax: ++55-11-861 1862

Canada

Phone: ++1-905-475 6222
Fax: ++1-905-470-4453

France

Phone: ++33-3-80583200
Fax: ++33-3-80341015

Mexico

Phone: ++52-5-729 0405
Fax: ++52-5-361-8545

Thailand

Phone: ++66-2-7394026 - 32
Fax: ++66-2-3260563 - 64

United States of America

Phone: ++1-800-327-6996
Fax: ++1-800-527-8350

AMP Dulmison Hellstern Raychem SIMEL

www.tycoelectronics.com

Tyco Electronics Raychem GmbH

Energy Division
Haidgraben 6, 85521 Ottobrunn/Munich, Germany
Phone: ++49-89-6089-0, Fax: ++49-89-6096345