



Moulded Insulation Resin Protected (MIRP) Joints

up to 15kV



A subsidiary of TT electronics plc





Connector installation



Earth cage installation



Filling the completed joint with Polyurethane resin

From the start of the "second industrial revolution" W T Henley has taken pride in being a leader of innovation and design in the field of electrical distribution.

Our encapsulated resin 15kV MIRP joint is a product worthy in continuing this.

Innovation & Design

This unique cable jointing technology offers the installer a "quick and easy" solution for all likely MV jointing applications up to 15kV.

Designs for straight through, parallel branch, loop, pot end and transition are all included in the standard product range.

"Quick and easy" features

- "Easy" - all necessary materials are included in one kit.
- "Easy" to fit
- Mechanical Connectors with torque controlled shear bolts.
- No need for complicated and time consuming tape re-insulation with our "easy" fit housings.
- Cold pour "easy" to mix Resin ensures good mechanical protection and moisture sealing for the completed joint.
- "Quick" improved jointing productivity
- "Easy" - no special skills necessary.

The MIRP joint range has been approved and used by the many electricity supply utilities, notably:

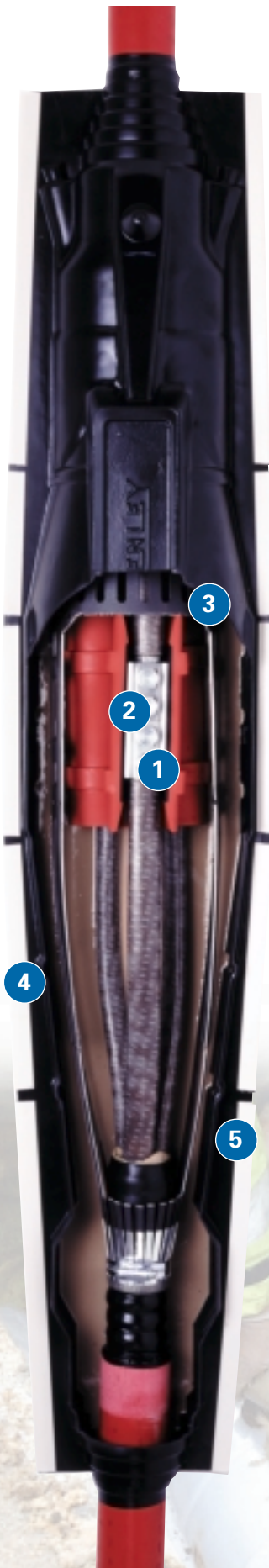
Scottish Power, UK

Northern Ireland Electricity, UK

South Eastern Electricity Board, UK

Laborelec, Belgium

Nuon, Holland



1 Mechanical Connector

Conductor Joining is easy to achieve with the use of our mechanical type connector. Manufactured from aluminium alloy, the connector has a removable bridge piece to aid in conductor insertion, while final connection is through a torque controlled shear bolts. All of our connectors are tested and conform to IEC 61238 and BS4579 standards showing our dedication to product safety and quality assurance.

2 Connector Housing

The MIRP joint features a unique design whereby insulation re-instatement and stress control are provided by a quick fit rubber housing. The incorporation of a semi-conducting layer as part of the dual construction housing effectively and efficiently addresses and removes high concentrations of electrical stress at the connector interface.

We guarantee maximum security of our insulating housings by conducting 100% factory pre-testing. No other materials or processes are needed to effect a safe and totally reliable insulated system.*

3 Earth Fault and Screen Protection

A punched aluminium earth cage, installed over the jointed cores provides both earth fault continuity and effective earth screening. The completed joint has undergone extensive short circuit testing and readily meets the requirements of CENELEC - HD629.2, UK Electricity Council Recommendation - ERC 90, Kema Specification - 52.

4 Polyurethane Resin Encapsulation

This material has many unique design features and as with many other W T Henley products, has been continually updated to meet the needs of today's cable designs and constructions. This product is totally compatible with all current cable types, is thermally stable, resistant to water ingress and possesses high impact strength making available to the worldwide Electrical Distribution Industry, a fast, efficient, cost effective and proven method of joint encapsulation.

5 Joint shell

The vacuum formed styrene joint shell is designed to provide a profiled moulding into which the resin encapsulant is poured. The shell is tailored to provide adequate resin coverage of internal components whilst minimising resin use.

**Please note that the Connector housings are designed for use specifically with W T Henley mechanical connectors. For advice about using other connectors from other manufacturers please contact us.*

Installation

This range of joints has been designed with ease of use in mind. Whilst jointing skills are necessary for those preparing and jointing cables, we believe that with this quick and easy to install joint jointing productivity can be improved.

15kV MIRP Joint Selection Chart

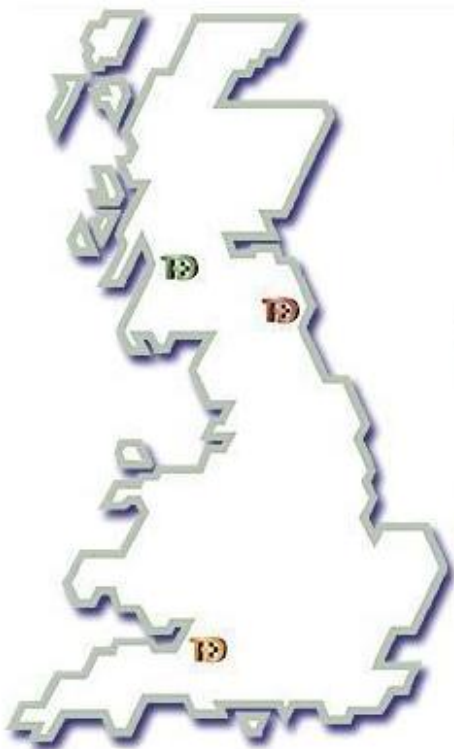
Multi Purpose Joints

Suitable for • Polymeric and Paper cables with or without metal sheaths

• Multi and/or Single Core cables.

Straight Through (Polymeric & Paper[®])

Product Code	Description	Quantity
52405-36	35-185mm ² Universal Joint	1
53533-49	8 Litre 2-Part Resin	3
53533-05	8-Litre 3-Part Resin	
52405-37	240-300 mm ² Universal Joint	1
53533-49	8-Litre 2-Part Resin	4
53533-05	8-Litre 3-Part Resin	



THORNE & DERRICK (Scotland)
Unit 64, Elderpark Workspace
100 Elderpark Street, Glasgow G51 3T

Tel: (0141) 425 1060
Fax: (0141) 440 2257



THORNE & DERRICK (Northern)
Gear House, Saltmeadows Road
Gateshead, Tyne & Wear NE8 3AH

Tel: (0191) 490 1547
Fax: (0141) 477 5371



THORNE & DERRICK
Units 9 & 10, Birchills Trading Estate
Emery Road, Brislington, Bristol BS4 5PF

Tel: (0117) 977 4647
Fax: (0117) 977 5582

W T Henley Limited
Crete Hall Road, Gravesend
Kent DA11 9DA, England.

Telephone: +44 (0) 1474 564466
Facsimile: +44 (0) 1474 566703
e-mail: sales@wt-henley.com
Website: www.wt-henley.com



A subsidiary of TT electronics plc

The equipment detailed in this publication, should only be installed by a competent person.
Due to continuous product development, prices and specifications are subject to change without prior notice.
© W T Henley Limited