

**tyco**

*Electronics*



**Approved cable accessories  
and components for marine  
and offshore applications**



CABLE JOINTS, CABLE TERMINATIONS, CABLE GLANDS, CABLE CLEATS  
FEEDER PILLARS, FUSE LINKS, ARC FLASH, CABLE ROLLERS, CUT-OUTS

11KV 33KV CABLE JOINTS & CABLE TERMINATIONS

FURSE EARTHING

[www.cablejoints.co.uk](http://www.cablejoints.co.uk)

**Thorne and Derrick UK**

Tel 0044 191 490 1547 Fax 0044 191 477 5371

Tel 0044 117 977 4647 Fax 0044 117 9775582

*a vital part of your world*

**ENERGY DIVISION**

Under the established Raychem brand name, Tyco Electronics offers a comprehensive range of cable accessories for all cable types. The most innovative utilities and industries around the world – including, mining, marine, and offshore – use our power cable accessories. Designed to withstand environmental extremes and high pollution levels over long operating lifetimes, they help maintain service reliability in both overhead and underground installations. We have developed specially formulated insulation materials that resist tracking and degradation caused by erosion, UV light and other environmental stresses.



#### **Customer requirements**

Intensive R&D in the field of advanced materials and constant improvement programmes help us to increase our responsiveness to customer requirements and to meet the demands of modern cable networks:

- Fewer components
- Simplified cable preparation
- Fast installation
- Safe for installer and environment
- Consistent approach for all cable types and voltage classes
- High reliability
- Qualification to international specifications, such as IEC, CENELEC, IEEE and GOST

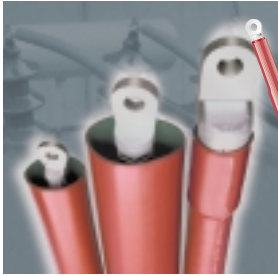
#### **Product features**

Product design and materials have been systematically improved over more than three decades. This has been achieved through intensive research in close co-operation with our customers to produce new materials for the electrical power industry. The result is a wide range of products with a unique combination of properties:

- Increased resistance to thermal ageing
- Insulation-thickness memory
- Shape memory
- Excellent resistance to surface electrical activity
- Improved UV performance
- Electrical stress control
- Void-free interfacial bonding
- Impermeability to cable oils
- Moisture blocking
- Improved flame resistance
- Elastomer technology
- Mechanical connecting systems



## Terminations



**IXSU-F / OXSU-F**  
Heat-shrink termination, single-core and three-core polymeric, one-piece



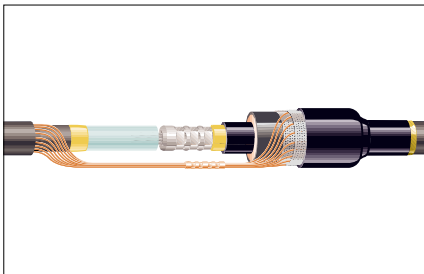
**TFTI / TFTO**  
Cold-shrink/push-on termination, single-core polymeric



**EPKT & HVT-G / SG**  
Heat-shrink termination, single-core and three-core polymeric



## Joints



**SXSU**  
Heat-shrink inline joint, single-core polymeric



**EPKE**  
Heat-shrink live end seal

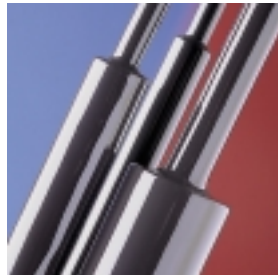
## Tubing



**MWTM**  
Heat-shrink insulating and sealing medium-wall tubing



**WCSM**  
Heat-shrink insulating and sealing heavy-wall tubing



**FCSM**  
Heat-shrink flame retarded heavy-wall flexible insulating tubing

## Wraparounds



**MRSM**  
Heat-shrink flexible cable jacket repair sleeve



**CRSM**  
Heat-shrink cable jacket repair sleeve



**ZCSM**  
Heat-shrink halogen-free and flame-retarded insulating tubing for low hazard areas



**ATUM**  
Heat-shrink thin-wall general-purpose insulating and sealing tubing



**XCSM**  
Heat-shrink medium-wall general-purpose insulating and sealing tubing

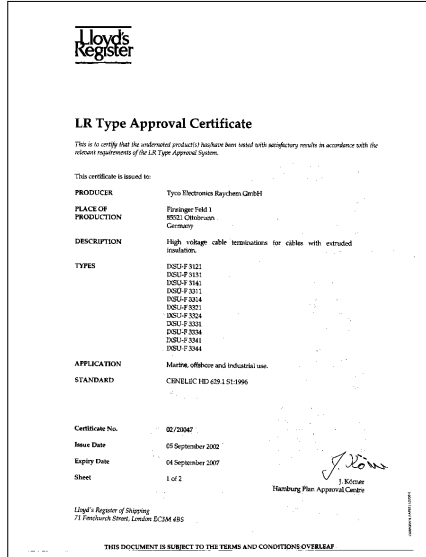
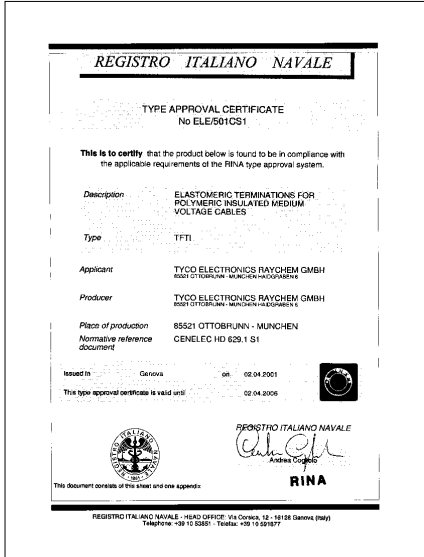
## Moulded parts



**102L**  
Heat-shrink cable caps



**302K, 402W, 502K**  
Heat-shrink cable breakouts



**Approved products for marine and offshore applications**

Product	PPR number	Classification company	Certificate number	Issued	Expiration date
MWTM & WCSM	1675	Det Norske Veritas	E-8039	4. Aug 06	31. Dec. 10
FCSM	1672	Det Norske Veritas	E-8036	4. Aug 06	31. Dec. 10
MRSM	1673	Det Norske Veritas	E-8037	4. Aug 06	31. Dec. 10
ZCSM	1674	Det Norske Veritas	E-8038	4. Aug 06	31. Dec. 10
EPKT-7 / EPKT-17	1676	Det Norske Veritas	E-8040	4. Aug 06	31. Dec. 10
HVT-G/SG	1678	Det Norske Veritas	E-8042	4. Aug 06	31. Dec. 10
TFTI / TFTO	1677	Det Norske Veritas	E-8041	4. Aug 06	31. Dec. 10
I(O)XSU-F	1679	Det Norske Veritas	E-8043	4. Aug 06	31. Dec. 10
SXSU	1487	Det Norske Veritas	E-7898	3. Mar 06	31. Dec. 08
ATUM, MWTM, WCSM	1464	Germanischer Lloyd	65 673-73HH	11. Oct 04	10. Oct. 09
IXSU-F	1769	Germanischer Lloyd	20 437-04HH	22. Apr. 04	22. Apr. 09
XCSM, CRSM, EPKE, & 102L, 302K, 402W, 502K	1507	Germanischer Lloyd	17 314-00HH	10. Nov. 06	10. Nov. 11
TFTI / TFTO	2189	Registro Italiano Navale	No ELE204306CS/02	19. May 06	19. May 11
IXSU-F	2190	Registro Italiano Navale	No ELE204306CS/01	19. May 06	19. May 11
IXSU-F	1641	Lloyds Register of Shipping	02/20047	4. Sept. 02	4. Sept. 07
IXSU-F	2142	Russian Marine Register of Shipping	05.03378.011	30. Sept. 05	30. Sept. 10



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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 these products is set forth in our standard terms and conditions of sale. RAYCHEM is a trademark.

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**Energy Division – economical solutions for the electrical power industry: cable accessories, connectors & fittings, electrical equipment, instruments, lighting controls, insulators & insulation enhancement and surge arresters.**