

APPROVED CABLE ACCESSORIES AND COMPONENTS

FOR MARINE AND OFFSHORE APPLICATIONS

Under the well-established product brand name Raychem, TE Connectivity offers a comprehensive range of cable accessories for almost 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, ultraviolet light and other environmental stresses.

Customer Requirements

Advanced materials research and development and constant improvement programmes are helping 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
- Treat with respect 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

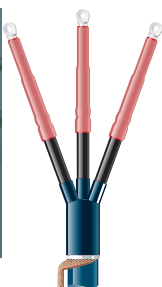
Product design and materials have been systematically improved over more than three decades. This has been achieved by thorough research in close co-operation with our customers produced novel materials for the electrical power industry. The result is a wide range of products with a unique combination of properties such as:

- 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
- Elastomeric technology
- Mechanical connecting systems

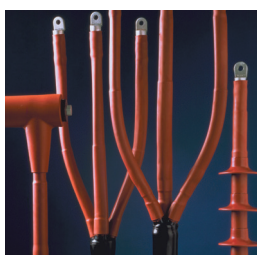
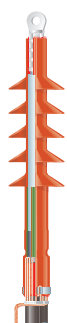
Terminations



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



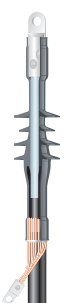
TFTI / TFTO - Cold-shrink/push-on termination, single-core polymeric



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



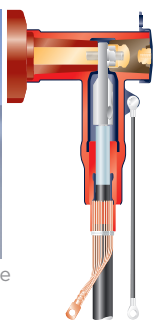
CSTI / CSTO - Cold-shrink termination, single-core polymeric



Connection systems



RSTI - Screened, separable connection system, single-core polymeric



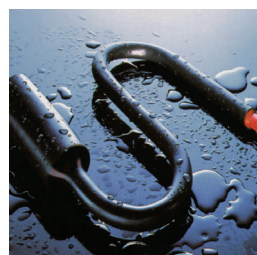
MWTM - Heat-shrink insulating and sealing medium-wall tubing



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



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

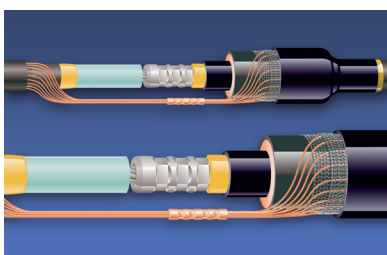


ATUM - Heat-shrink thin-wall general-purpose insulating and sealing tubing



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

Joints



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

Moulded parts



102L - Heat-shrink cable caps



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

Wraparounds



MRSM - Heat-shrink flexible cable jacket repair sleeve



EPKE - Heat-shrink live end seal



APPROVED PRODUCTS FOR MARINE AND OFFSHORE APPLICATIONS

Product	PPR number	Classification company	Certificate number	Issued	Expiration date
MWTM & WCSM	3417	DNV GL	TAE00003DW	11-Apr-19	10-Apr-24
FCSM	3414	DNV GL	TAE00003DT	11-Apr-19	10-Apr-24
MRSM	3415	DNV GL	TAE00003DU	11-Apr-19	10-Apr-24
ZCSM	3416	DNV GL	TAE00003DV	11-Apr-19	10-Apr-24
EPKT-7 / EPKT-17	3418	DNV GL	TAE00003DX	11-Apr-19	10-Apr-24
HVT-G/SG	3407	DNV GL	TAE00003DZ	11-Apr-19	10-Apr-24
TFTI / TFTO	3406	DNV GL	TAE00003DY	11-Apr-19	10-Apr-24
I(O)XSU-F	3408	DNV GL	TAE00003E1	11-Apr-19	10-Apr-24
IXSU-F33xy-KR01	3410	DNV GL	TAE00003E3	11-Apr-19	10-Apr-24
MXSU, MXST, MXSW, XSU, SXST, SXSW	3409	DNV GL	TAE00003E2	11-Apr-19	10-Apr-24
RSTI	3411	DNV GL	TAE00003E4	11-Apr-19	10-Apr-24
RICS	3413	DNV GL	TAE00003E6	11-Apr-19	10-Apr-24
LV EPKJ	3412	DNV GL	TAE00003E5	11-Apr-19	10-Apr-24
CSTI / CSTO	2997	DNV GL	TAE00003H8	23-Apr-19	22-Apr-24
I(O)XSU-F	3092	American Bureau of Shipping	"Manufacturing Assessment" Certificate number 20-4337813	26-June-20	25-June-25
I(O)XSU-F	3092	American Bureau of Shipping	"Product Design Assessment" Certificate number 19-HG1909859-PDA	17-Oct-19	16-Oct-24
IXSU-F	2142	Russian Marine Register of Shipping	1,60,38,30,315	19-July-16	19-July-21
TFTI / TFTO	2189	Registro Italiano Navale	No ELE057411XG/002	11-Jan-16	10-Jan-21
IXSU-F	2190	Registro Italiano Navale	No ELE057411XG	11-Jan-16	10-Jan-21
IXSU-F	1641	Lloyds Register of Shipping	02/200478(EI)	22-Aug-17	22-Aug-22
IXSU-F	2402	Bureau Veritas	19969/AO BV	21-Jun-17	21-Dec-22

TE Connectivity Ltd. is a \$14 billion global technology and manufacturing leader creating a safer, sustainable, productive, and connected future. For more than 75 years, our connectivity and sensor solutions, proven in the harshest environments, have enabled advancements in transportation, industrial applications, medical technology, energy, data communications, and the home. With 80,000 employees, including more than 8,000 engineers, working alongside customers in approximately 140 countries, TE ensures that EVERY CONNECTION COUNTS. Learn more at www.te.com and on [LinkedIn](#), [Facebook](#), [WeChat](#) and [Twitter](#).

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- Conventional Power
- Nuclear Power
- Wind/Solar
- Hydro-electric

Transmission & Distribution

- Substation
- Underground
- Overhead
- Street Lighting

Industry

- Mining
- Petrochemical
- Railway
- Shipbuilding

WHEREVER ELECTRICITY FLOWS, YOU'LL FIND TE CONNECTIVITY



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