



HEAT-SHRINKABLE INLINE JOINTS (LJSM) INCLUDING MECHANICAL SHEAR BOLT CONNECTORS BSL, FOR PLASTIC AND RUBBER INSULATED CABLES UP TO 1 kV

KEY FEATURES

- Optimized product range reduces components
- Unlimited shelf-life
- Reliable shearbolt connectors
- Fast and easy installation

TE Connectivity's (TE) Raychem LJSM joints combine Raychem heat shrink technology with the advantages of mechanical shear bolt connectors. The joints are designed in accordance to the new DIN 47640 standard. The requirements of the standard are met by using Raychem heavy-walled tubing (WCSM) with larger application range and the newly-developed mechanical shear bolt connectors (BSLB).

TE's Raychem LJSM joints allow connections of several polymeric cable sizes providing the advantage of fewer kits to serve a broad range of applications. As one of the leading manufacturers of heat-shrinkable materials and cable accessories, TE offers training, service, and technical assistance. Please contact your local TE sales representative for more information on products and services.

Standardized LV jointing family, designed for both connecting systems:

- LJSU (universal = designed for crimp and mechanical connectors)
- LJSM (mechanical = includes mechanical connectors)

Joints are designed to meet modern requirements for LV accessories and cover all relevant customer specifications for LV joints.

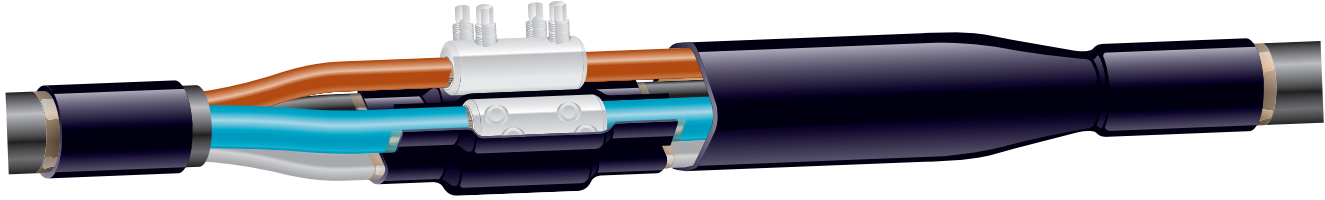
Focus on high range taking:

- Fixed application ranges
- Entire LV-range is covered by 3 kits:
 - LJSx-4x16-50 mm² (10 - 50 mm on request),
 - LJSx-4x35-150 mm², LJSx-4-95-240 mm²

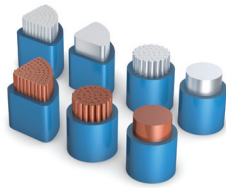
Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

Heat-Shrinkable Inline Joints (LJSM)

Complies to the new specification DIN 47640. TE's Raychem LJSM product line has passed all type tests in accordance with EN50393: test requirement on cable accessories for energy applications.



Including our new BSLU and BSLB mechanical shear bolt connectors



Plastic and rubber insulated cables up to 1 kV

TE's Raychem LJSM product line has passed all type tests in accordance with:

EN50393 - Test requirements on cable accessories for applications on energy power cables of rated voltages up to 0.6/1(1.2) kV

Independent qualifications tests have been carried out on the sizes 35/150 and 95/240 at the "Institute for Electrical Engineering and High voltage technology" (IEH) at the University of Karlsruhe, Germany.

All other sizes have also been completely tested in TE's Raychem laboratories in Ottobrunn/Munich in Germany.

PRODUCT SELECTION INFORMATION

Description	Part Number	Connector Range
LJSM-4X/004-016	CY1507-000	BSLU-4/16
LJSM-4X/016-050	CY1514-000	BSLU-10/50
LJSM-4X/035-095	CY1503-000	BSLU-35/95
LJSM-4X/035-150	CY1502-000	BSLU-25/150
LJSM-4X/095-240	CY1501-000	BSLU-95/240
LJSM-5X/1.5-006	CY1555-000	HEL-4102.1
LJSM-5X/004-016	CY1556-000	BSLU-4/16
LJSM-5X/016-035	CY1557-000	BSLU-10/50
LJSM-4X/004-016-PP	CY1518-000	BSLU-4/16
LJSM-4X/016-050-PP	CY1522-000	BSLU-10/50
LJSM-4X/035-095-PP	CY1546-000	BSLU-35/95
LJSM-4X/035-150-PP	CY1543-000	BSLU-25/150
LJSM-4X/095-240-PP	CY1544-000	BSLU-95/240
LJSU-4X004-016	CZ0817-000	4-16
LJSU-4X016-050	CZ0822-000	16-50
LJSU-4X035-150	CZ0821-000	35-150
LJSU-4X095-240	CZ0820-000	95/240
LJSU-5X01.5-006	CZ0819-000	1,5-6
LJSU-5X004-016	CZ0818-000	4-16
LJSU-5X016-035	CZ0825-000	16-35

The difference to the standard kits is only the longer length of the inner insulation sleeves the outer re-jacketing and the increased cutback, according to the requirements of DIN47640.

Joints for other cable types, different number of cores or armoured cables are available on request.

ORDERING INFORMATION

Raychem LJSM inline joint kits are currently available for polymeric insulated cables without armours, for the applications on 4-core and 5-core cables and cross-sections from 4-240 mm². Each joint covers a large range of cable sizes and is supplied as a complete set, including the new BSLU (unblocked) mechanical shear bolt connectors and all other required heat shrink components.

The joint application ranges, defined in the selection table are defined by the max. application limits of the heat shrinkable components and the design limits for the mechanical connectors.

Due to different conductor and cable dimensions the minimum and maximum application range may be extendable or have to be limited.

Please contact your local TE sales representative for assistance.

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