



LVSB JOINTS

Low Voltage Service Branch Joints

Raychem
from TE Connectivity

TE
connectivity

The Raychem LVSB range of joints offers a level of safety and protection to the installer for live installations that is not available in other joint styles. The connectors used in the LVSB kits are completely insulated, there are no exposed live parts and each phase is connected completely independently of the others.

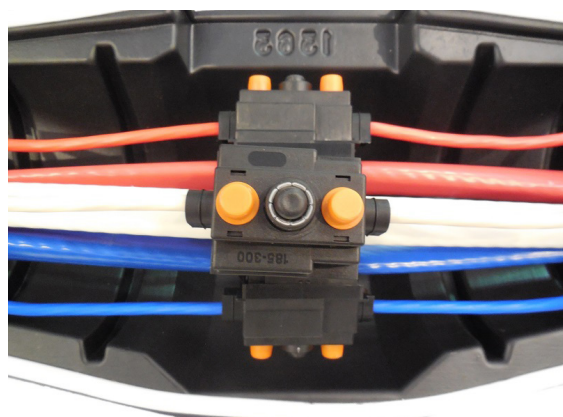
This system uses the MSIP range of connectors from TE, these connectors use the insulation piercing technology to achieve a high pressure connection made off to the correct torque every time. The pre-torqued shear head bolts make the installation even easier, there is no need to use any special tools for installation.

Having an individual connector for each phase increases safety for the installer by ensuring only one phase is exposed at any time removing the risk of a flash over or accidental contact with any other live phases. The capacity to install these joints live offers flexibility to the asset owner to install without having to shutdown the supply to customers.

Intended for “live” jointing of service conductors on to LV mains cables of various types. Up to 300mm² main and up to 2 x 35mm² service conductors.

FEATURES

- Fully shrouded connector body
- Two entry ports for service cables
- Maximum section of each of the two service conductors depends on the main cable size
- Service connections are made with a 3mm grub screw.
- Main connection is made with a 19mm A/F socket
- Maximum service cable is 35mm² Copper or Aluminium
- Made to requirements of IEC 61238-1
- No need to strip the main conductor
- No exposed metal work during installation
- Insulated drive mechanism detaches at set torque when installation is complete
- Range taking connector accepts CU & AL cable
- Can be installed under load - safer working



INDIVIDUAL CONNECTORS

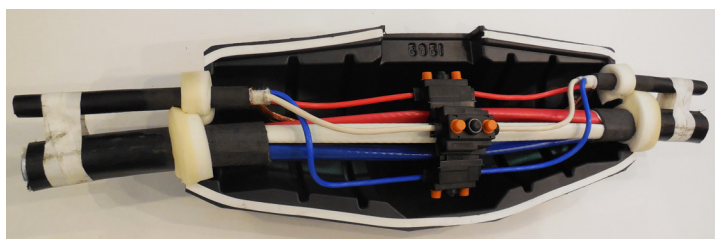
- Each phase is connected independently of the others to ensure worker safety
- Connectors allow for up to two tails from each phase
- Fully shrouded connector body removes risk of accidental contact
- Shear head bolts - no need for torque tools
- IPC - guarantees connection integrity
- No exposed live metal parts
- Safer live working situations

INSULATION PIERCING TECHNOLOGY

- No need to strip live cables
- Fast, safe and simple to apply
- Connection is made & head shears off once correct torque reached

KITS

- Three kits cover main cable 70-300mm²
- Up to two tails of 10-35mm² from each phase



CAT NO.	CABLE TYPE	MAIN (mm ²)	TAIL (mm ²)
LVSB-M1	4 Core XLPE	70-185	10-35
LVSB-M2	4 Core XLPE	185-300	10-35