



## Mark 4 and Mark 7 connector accessories

**IMPORTANT.** Relevant cable specifications should be consulted to determine the suitability of cables when using extended temperature connectors.

### Cable entry fittings

To assist in ordering the correct fittings for a specific cable, Complete Outlet Accessory Sets and individual cable entry fittings for various sizes and types of cable are illustrated.

### Waterproofing

Plessey cable entry fittings ensure sound waterproofing provided that the correct size of recommended sets of fittings are used with each specific cable. Waterproofing is effected by either the union gasket, the sealing ring, or gland plug at the rear end of the outlet, or by the outlet gasket or retaining gland at the front end; but if it is found that the cable is not gripped adequately by any of these fittings, a suitable sleeve should be used to increase the outside diameter of the cable.

### Assembling

To facilitate assembly of the cable fittings, a suitable

approved lubricant (to Ministry of Technology Specification DTD.900/4298) should be used on all friction surfaces and all screw threads should be lightly lubricated with MOLY PAUL Polypaste 300 (DTD.900/4669). Special tools are required to tighten locking rings, outlet nuts, union nuts, etc. Tool kit details will be found below.

Cable clamp jaws should be tightened sufficiently to grip the cable, but over-tightening may cause the dielectric to flow and impair its insulating qualities.

### Soldering

Whatever type of cable is used, the very compact design of Plessey Mark 4 and 7 Plugs and Sockets necessitates careful soldering. The conductor ends should first be accurately trimmed, keeping the exposed length of conductor to a minimum, and then tinned. It is recommended that fluorinated silicone rubber markers be fitted on the conductors so that, after soldering, they can be rolled over the joints. The bucket ends of the pin and socket inserts are supplied already tinned with solder to the approved specification. Care should be taken to avoid any overflow of solder from the buckets when soldering. Use solder to BS.219 Grade 95A.

## Tools—Mk 4 and Mk 7 connectors

Tools required for locking cable entry fittings and for mounting fixed units to panels, etc.

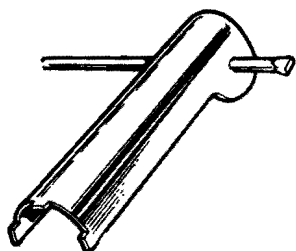
### Sold as complete tool kit only

Part No. 558/1/00260

comprises: Bodyholder, shell size 1; Bodyholder, shell size 2; Bodyholder, shell size 3; Special spanner, shell size 1; Special spanner, shell size 2; Special spanner, shell size 3; Double-ended spanner, shell size 1; Double-ended spanner, shell size 2; Double-ended spanner, shell size 3; Tommy bar (special spanner).

### Special spanner (shown with Tommy bar)

Used with fixed units (including fixed couplers and bulk-

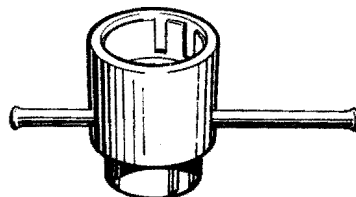


heads) to facilitate tightening of panel locking rings and outlet nuts in conjunction with bodyholder.

### Bodyholder

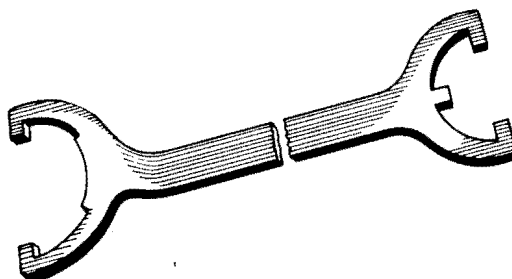
Female end locates on mating face of free units to provide hand grip whilst tightening outlet nut, union nut, or cable clamp with adjustable spanner.

Male end locates on mating face of fixed units (including



couplers) to facilitate tightening of locking ring to panel and, in the case of couplers, tightening of outlet nut and union nut, in conjunction with adjustable spanner or special spanner.

### Double-ended spanner



Used in conjunction with the bodyholder for tightening locking ring, outlet nuts and union nuts.