



Types of plugs and sockets

There are four different types of component: (a) Free, (b) Fixed (round flange), (c) Free Coupler, (d) Fixed (square flange).

A. FREE UNITS (or "Cable Units"): Are *always* used as one side of a mating pair. They carry the coupling nut which engages on the thread in the shell of *all other* types of plug or socket.

B. FIXED UNITS (round flange) (or "Panel Units"):

Require only single hole panel piercing and can be mounted from the front or rear of the panel. A flat on the shell gives positive location within the hole.

C. FIXED UNITS (square flange) (or "Panel Units"): Perform similar functions as the Fixed Units. Available in Brass only.

D. FREE COUPLER UNITS (or "Cable Coupler Units"): Cable fittings can be accommodated at the rear of plug or socket.

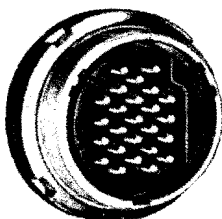
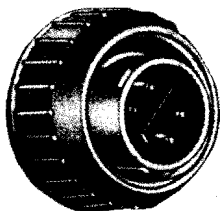
Mk 7 shell styles

It is important to note that Mk 7 units are in accordance with DEF5325-2. The Brass Fixed Unit (square flange) retains the characteristics of the Mk 4 Brass Fixed Coupler Unit.

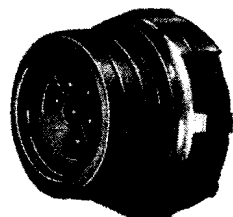
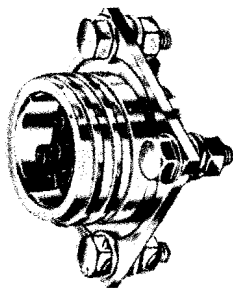
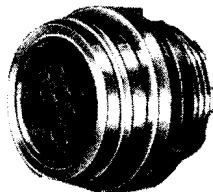
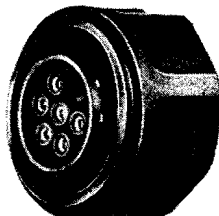
The Fixed Unit (round flange), additional to specification requirements, complies basically with the Mk 4 Brass Fixed Unit.

The term 'Fixed Coupler Unit' applicable to Mk 4 is no longer used although all Mk 7 Fixed Units have rear castellations to accept cable fittings enabling them to function as Fixed Coupler Units.

Aluminium



Brass



Free unit

A free plug or socket is used to connect the cable to mating components which are fixed plugs and sockets, free or fixed couplers and bulkhead units. Outlet nuts are supplied with these connectors.

Fixed unit (round flange)

A fixed plug or socket is mounted to a junction box, panel, etc., and has rear castellations to accept cable fittings. When these are required an outlet nut must be specified as an additional item.

Fixed unit (square flange)

Fixed plugs and sockets with a square flange are available in the Brass ranges only and have rear castellations to accept cable fittings. When these are required an outlet nut must be specified as an additional item.

Free coupler unit

A free coupler plug or socket is used as a means of connecting two free cables and mates with the free plug or socket only. Outlet nuts are supplied with these connectors.