PRODUCT INFORMATION ADDENDUM

KC 2100 and KC 2300 SERIES CIRCULAR BACKSHELLS MODIFICATION FOR FIBRE OPTIC TRANSMISSION

Although fibre optic transmission is not susceptible to EMI/RFI the cables can have an overall screen that requires termination and where the cables enter a connector a potential interference path can be created. Normal backshells also have a tendency to crush the delicate fibre cable bundle. To overcome both these problems requires a system that electrically seals the connection whilst protecting the sensitive and fragile fibre optic cables.

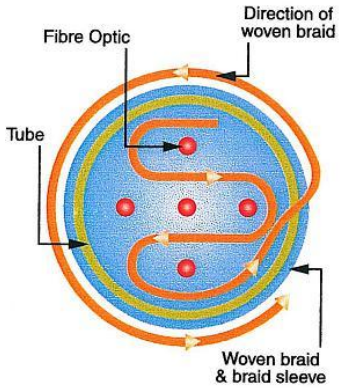
To achieve this KEC has modified its standard KC 2100 and KC 2300 series backshells for circular connectors that use an IRIS spring system to accept a special aluminium adapter tube for fibre optic cables. This slips between a length of outer screen and softer protective layers of woven metal braid covering the fibre optic cables (see cross section below).

This technique is also applied to the KG2 gland and bulkhead fitting series that uses the same IRIS spring system for screen termination.

The system is simple, lightweight and easily reworkable with very high levels of screening protection.

Environmental sealing is achieved by the inclusion of an 'O' ring seal in addition to the IRIS spring in the KC 2100 (pictured below). Additional environmental sealing can be provided via a heatshrink boot on the KC 2300.

KC 2100 showing IRIS spring, O ring and tube and braid



Cross section of tube and woven braid wrapped around fibre optic cables

KEC LIMITED
Orpheus House, Calleva Park, Aldermaston, Reading, Berkshire RG7 8TA England
Tel: +44 (0)118 981 1571 Fax: +44 (0)118 981 1570 email: sales@kec.co.uk www.kec.co.uk