

# SHACK™

## SMPTE HYBRID ALTERNATIVE CONVERTER KIT



### **SHACK™ – SMPTE conversion device for singlemode fibre using SC connectors**

The SHACK™ is a conversion system from SMPTE connectors/cable to standard singlemode connectors.

The system provides a transition from optical communication over hybrid (copper and fibre) cables to optical communication over commonly available duplex singlemode fibre optic cables. The SHACK™ permits the

camera to be locally powered while allowing the optical signals to be transmitted. It is a lightweight and very compact solution for stadiums, sports arenas and other outside broadcast applications, as well as for use in any buildings with installed singlemode fibre infrastructure.

### Technical characteristics

Characteristics	Values
Fibre type	Singlemode
Hybrid connector	LEMO 3K.93C Series
Singlemode fibre connector	SC
Temperature range	-20°C to +60°
CCCU supply voltage range	15 V to 360 V
EMI/RFI	Complies with 89/336/EEC
Electrical	Complies with EN 61000-6-1, EN61000-6-2
Laser Safety	Complies with Class 1 laser product 24 CFR 1040.10 & 1040.11
Humidity range	Up to 95%
Warranty	5 years
Return loss	Better than -45 dB per unit
Average insertion loss	0.41 dB per unit

### Features

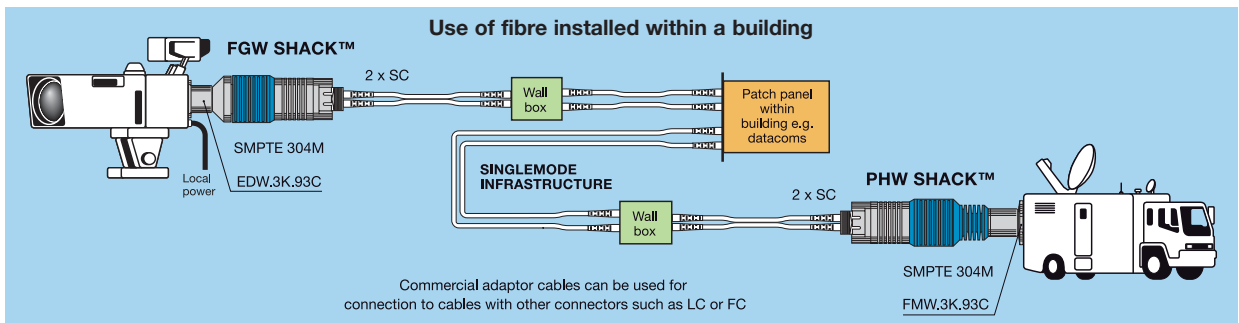
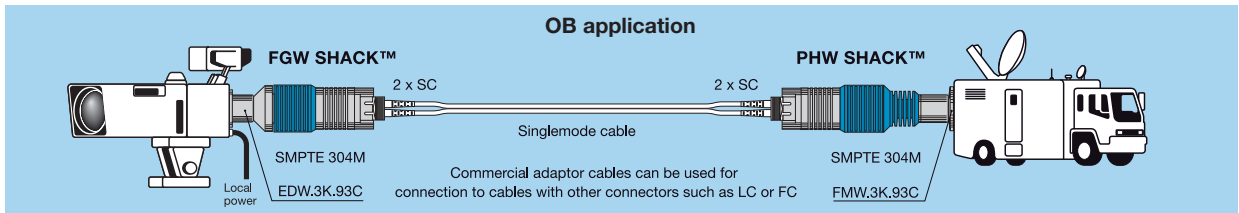
- Converts from SMPTE 304M connectors to standard duplex fibre optic cable assemblies
- Plugs directly into camera/base station

### Advantages

- Plug & play solution
- High quality signal transmitted over fibre
- Compact
- Uses commercial SC connectors
- Camera brand independent

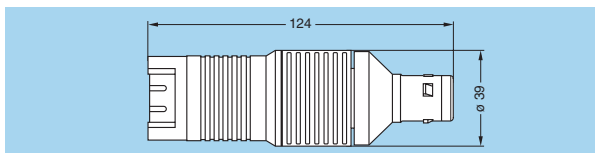
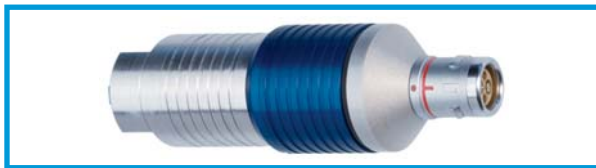
### Applications

- Golf, skiing, auto racing, athletics, etc
- Pre-fibred venues & buildings
- Stadiums, racing tracks



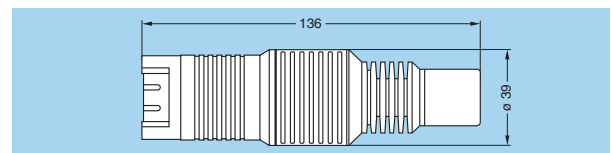
### FGW Straight plug 3K.93C - singlemode

Part Number	Single mode fibre connector
FGW.3K.93C.CLMSC	SC



### PHW Free socket 3K.93C - singlemode

Part Number	Single mode fibre connector
PHW.3K.93C.CLSCC	SC



Adaptor cables are available as follows to ensure that you can link up to any installed fibre system:

- 2 x SC to 2 x LC connectors on 2metre duplex singlemode cable

- 2 x SC to 2 x ST connectors on 2metre duplex singlemode cable
- 2 x SC to 2 x FC connectors on 2metre duplex singlemode cable
- Other lengths available on request.

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