

SHACK™
**SMPTE HYBRID ALTERNATIVE
CONNECTOR KIT**



**SHACK™ – SMPTE conversion device
for singlemode fibre (SC, ST, FC or LC)**

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 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 or outside broadcast applications.

Technical characteristics

Characteristics	Values
Fibre type	Singlemode
Hybrid connector	LEMO 3K.93C Series
Singlemode fibre connector	SC, ST, FC, LC
Temperature range	-20°C to +60°C
CCU 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	≤ 45 dB per unit
Average insertion loss	0.4 dB per unit

Features

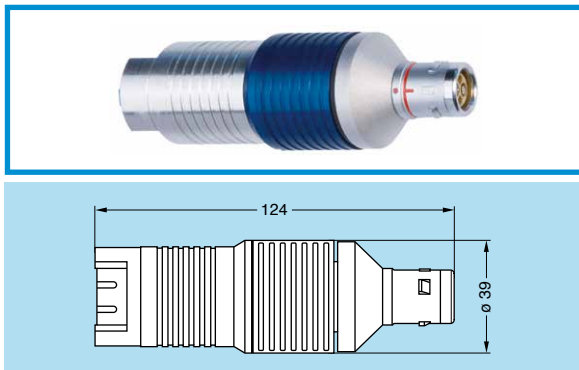
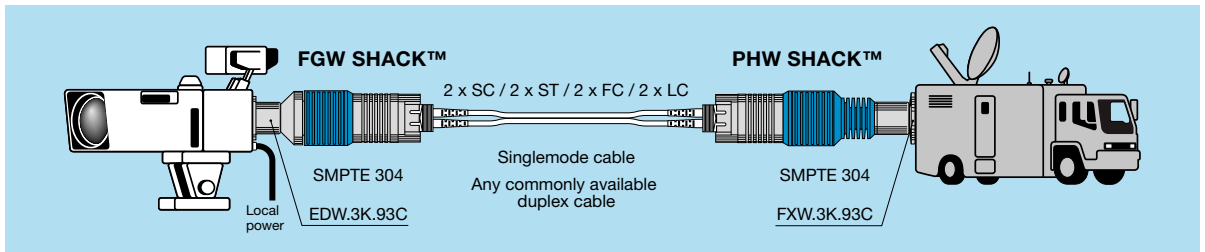
- Converts from SMPTE 304 connectors to standard duplex fibre optic cable assemblies
- Plugs directly into camera/base station

Advantages

- Plug & play solution
- High quality signal transmitted over fibre
- Compact
- Uses inexpensive SC, ST, FC or LC connectors
- Camera brand independant

Applications

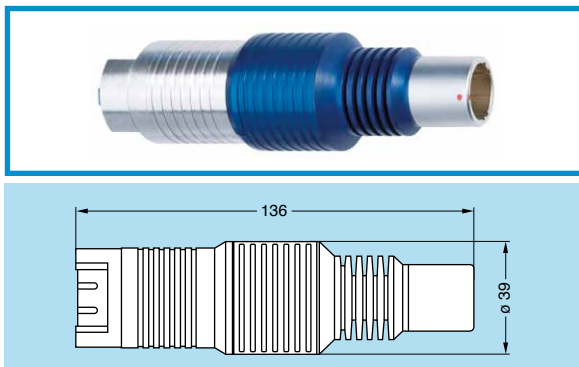
- Golf, skiing, auto racing, olympic games
- Pre-fibred venues
- Stadiums, racing tracks



FGW Straight plug 3K.93C - singlemode

Part Number	Singlemode fibre connector	Brand	Note
FGW.3K.93C.CLMSCG	SC	Grass Valley™	●
FGW.3K.93C.CLMSCP	SC	PANASONIC®	●
FGW.3K.93C.CLMSCS	SC	SONY®	●
FGW.3K.93C.CLMSTG	ST	Grass Valley™	●
FGW.3K.93C.CLMSTP	ST	PANASONIC®	●
FGW.3K.93C.CLMSTFG	FC	Grass Valley™	●
FGW.3K.93C.CLMSLG	LC	Grass Valley™	○

- Standard
- Upon request



PHW Free socket 3K.93C - singlemode

Part Number	Singlemode fibre connector	Brand	Note
PHW.3K.93C.CLCSCG	SC	Grass Valley™	●
PHW.3K.93C.CLCSCP	SC	PANASONIC®	●
PHW.3K.93C.CLCSCS	SC	SONY®	●
PHW.3K.93C.CLCSTG	ST	Grass Valley™	●
PHW.3K.93C.CLCSTP	ST	PANASONIC®	●
PHW.3K.93C.CLCSTFG	FC	Grass Valley™	●
PHW.3K.93C.CLCSLG	LC	Grass Valley™	○

- Standard
- Upon request

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Product safety notice & disclaimers:

Please read and follow all instructions specified on <https://www.lemo.com/en/about-lemo/product-safety-notice-and-disclaimers>