



LEMO 3K.93C - FURUKAWA ARIB / SMPTE HD HYBRID FIBRE

CAMERA CABLE ASSEMBLIES



CANFORD AUDIO PLC

Crowther Road, Washington,
NE38 0BW, UK
www.canford.co.uk

UK SALES

tel: +44 (0)191 418 1122
fax: +44 (0)191 418 1123
email: sales@canford.co.uk

INTERNATIONAL SALES

tel: +44 (0) 191 418 1133
fax: +44 (0) 191 418 1134
email: international@canford.co.uk



SMPTE HD HYBRID FIBRE CAMERA CABLES – IN-LINE PLUG (FUW) TO IN-LINE SOCKET (PUW).

LEMO HD 3K.93C SMPTE standard connectors terminated to top quality HD hybrid fibre cable. Fitted with overboots and special splash-proof gaiters (gaiters not included on Steadicam™ cables).

Top quality Furukawa “J” (Japanese) grade camera cables

The one cable that has proven extremely successful in Japan and Europe is the Furukawa 2SM-9.2-37.5 ARIB specification HD fibre hybrid cable. Cables in broadcast need to be able to withstand considerable flexing and twisting, which is a challenge for fragile fibre optic cables. Furukawa camera cable features:

- Rugged, high durability construction
- Ultra-high abrasion resistance
- Excellent flexing and twist capabilities
- Superior load bearing and tensile strength capability

Commercial quality Furukawa “A” grade camera cables

Commercial SMPTE version of the “J” grade, this cable is manufactured to the same high standard and has excellent performance and reliability.

Studio floor cables (overjacketed “J” grade) cables 16mm diameter

“J” grade cable overjacketed to 16mm diameter for extra protection. Complete with overboots and caps as standard (splashproof gaiters not provided as not relevant to application).

Steadicam™ camera cables

Camera cables for Steadicam applications manufactured from 4.2mm diameter special cable with steel strength member removed for increased flexibility. Connectors, cable and caps only for reduced weight.

Light weight HD hybrid fibre camera cables for short run applications

LEMO HD 3K.93C SMPTE standard connectors terminated to light weight top quality 6.8mm diameter HD hybrid fibre cable. Fitted with overboots and special splash-proof gaiters.

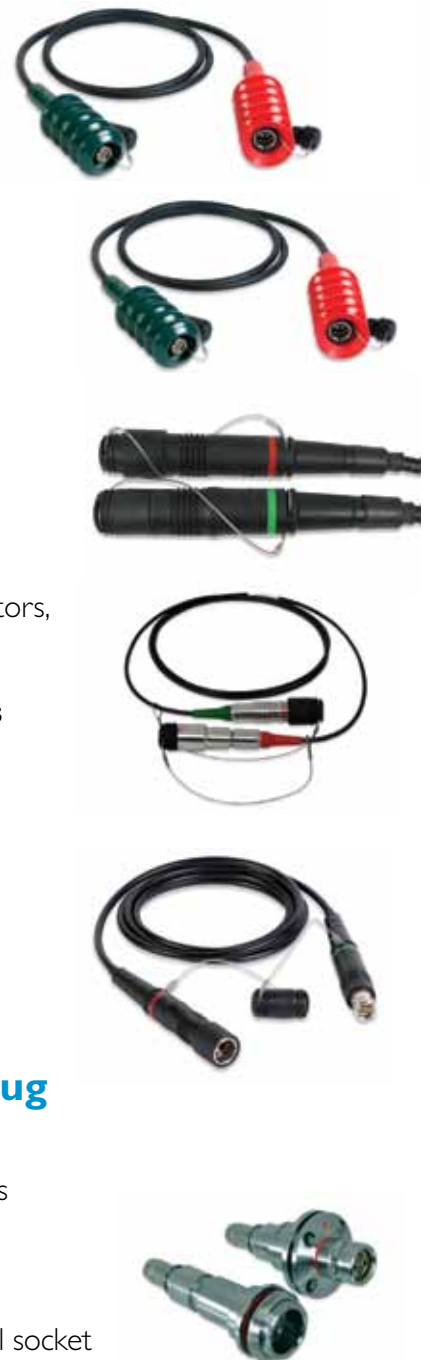
- Approx 45% weight saving
- Medium distance to 1km depending on system
- High durability Furukawa construction
- High tensile strength - steel central strength member

Fixed SMPTE HD hybrid fibre cables – fixed panel plug (FMW) to fixed socket (PEW)

LEMO 3K.93C SMPTE standard fixed panel plug and fixed panel socket connectors terminated to top quality HD hybrid fibre cable typically for installations.

Fixed cables top quality “J” grade Furukawa cable

Fixed HD hybrid fibre cable assemblies with LEMO FMW panel plug and PEW panel socket models terminated to top quality Furukawa “J” grade cable to ARIB standard, including strain relief sleeves & dust caps.





Fixed cables commercial quality “A” grade Furukawa cable

Fixed HD hybrid fibre cable assemblies with LEMO FMW panel plug and PEW panel socket models terminated to Furukawa commercial “A” grade cable to SMPTE standard, including strain relief sleeves & dust caps.

Fixed to free SMPTE HD hybrid fibre cables – fixed panel plug (FMW) to in-line socket (PUW)

LEMO 3K.93C SMPTE standard fixed panel plug and in-line socket connectors terminated to top quality HD hybrid fibre cable typically for panel to CCU applications in studios, stadiums or inside OB vans.



Fixed to free cables top quality “J” grade Furukawa cable

Fixed to free HD hybrid fibre cable assemblies with LEMO FMW panel plug and PUW free socket models terminated to top quality Furukawa “J” grade cable to ARIB standard, including strain relief sleeve & cap, and boot & gaiters on the loose end.

Fixed to free cables commercial quality “A” grade Furukawa cable

Fixed to free HD hybrid fibre cable assemblies with LEMO FMW panel plug and PUW free socket models terminated to Furukawa “A” grade cable to SMPTE standard, including strain relief sleeve & cap, and boot & gaiters on the loose end.

Panel sockets with tails for panel builds

The LEMO EDW.3K SMPTE socket is used as a standard on many HD hybrid fibre cameras. The same connector is used in patch panels and other channel connections from the camera end, and is used on other equipment that is designed to connect to SMPTE hybrid fibre links. The connector can be provided with either bare tails for direct connection to the cable with fibre splicing, or with connectors terminated for connection inside a splice junction box or similar.



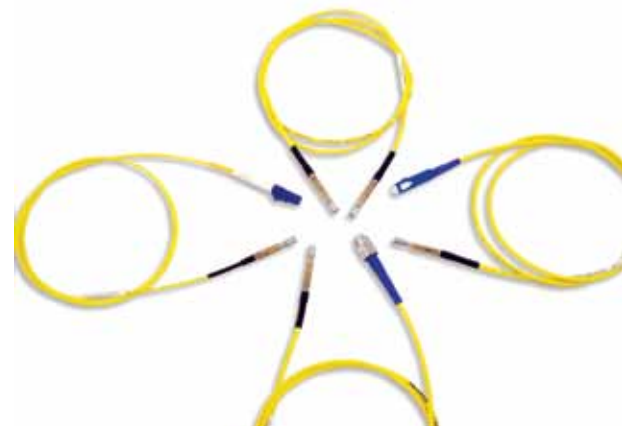
Panel plugs with tails for panel builds

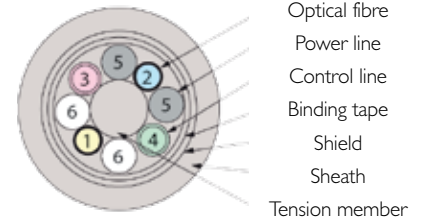
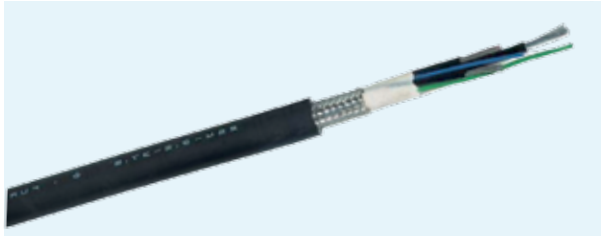
The LEMO FXW.3K SMPTE panel-mounted plug is used as a standard on many HD hybrid fibre camera CCU's. The same connector is used in patch panels and other channel connections from the CCU end, or and is used on other equipment that is designed to take advantage of SMPTE hybrid fibre links. The connector can be provided with either bare tails for direct connection to the cable with fibre splicing, or with connectors terminated for connection inside a splice junction box or similar.



Fibre patchcords with LEMO F2 contact for fibre splicing and panel repairs

Installation of LEMO SMPTE connectors in panel applications can be greatly simplified by the use of LEMO “F2” to “F2” patchcords, either for fibre splicing or “F2” to internal telecoms industry standard connectors such as ST, FC/PC, LC or E2000 for installation or repairs.



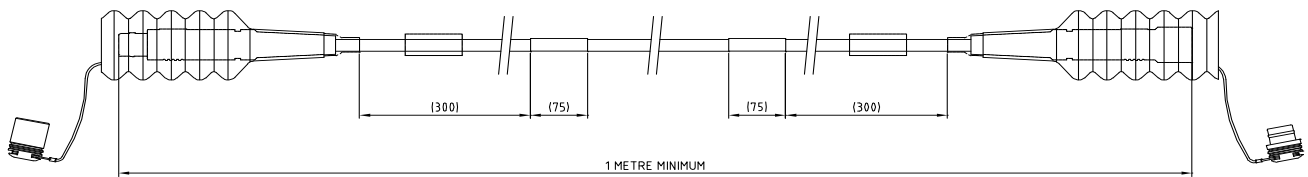


HD camera cables FUW to PUV models with Furukawa “J” grade ARIB cable

HD hybrid fibre camera cable assemblies - LEMO FUW plug and PUV socket models with boots and gaiters terminated to Furukawa J grade hybrid fibre cable to ARIB standard, particularly for outdoor and other demanding applications.

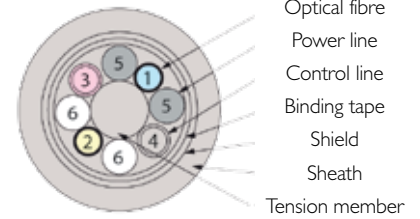
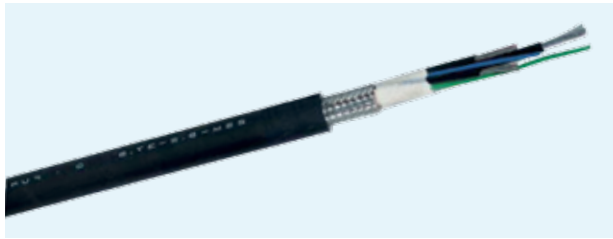
These assemblies use the following components and are supplied on wooden transport drums:

- | | | | |
|-------------------|---|-----------------|--------------------------------|
| FUW.3K.93C.TLMC96 | - in-line plug | GMP.3K.085.EANZ | - overboot for socket |
| PUW.3K.93C.TLCC96 | - in-line socket | UKP.07.0487.04 | - protective gaiter for plug |
| GMF.3K.085.EANZ | - overboot for plug | UKP.07.0487.05 | - protective gaiter for socket |
| UKT.0000543 | - high quality J grade to Japanese ARIB standard - 2SM-9.2-37.5 | | |



Product Code	Description	LEMO Part Number	Length (m)
50-1001	LEMO 3K.93C/FURUKAWA (SMPTE Type) HD CAMERA CABLE, FUW-PUW, 9.2mm J grade ARIB fibre, 1m	UKF.3K.B20.000100	1
50-1002	LEMO 3K.93C/FURUKAWA (SMPTE Type) HD CAMERA CABLE, FUW-PUW, 9.2mm J grade ARIB fibre, 2m	UKF.3K.B20.000200	2
50-1003	LEMO 3K.93C/FURUKAWA (SMPTE Type) HD CAMERA CABLE, FUW-PUW, 9.2mm J grade ARIB fibre, 3m	UKF.3K.B20.000300	3
50-1004	LEMO 3K.93C/FURUKAWA (SMPTE Type) HD CAMERA CABLE, FUW-PUW, 9.2mm J grade ARIB fibre, 5m	UKF.3K.B20.000500	5
50-1005	LEMO 3K.93C/FURUKAWA (SMPTE Type) HD CAMERA CABLE, FUW-PUW, 9.2mm J grade ARIB fibre, 10m	UKF.3K.B20.001000	10
50-1006	LEMO 3K.93C/FURUKAWA (SMPTE Type) HD CAMERA CABLE, FUW-PUW, 9.2mm J grade ARIB fibre, 15m	UKF.3K.B20.001500	15
50-1007	LEMO 3K.93C/FURUKAWA (SMPTE Type) HD CAMERA CABLE, FUW-PUW, 9.2mm J grade ARIB fibre, 20m	UKF.3K.B20.002000	20
50-1008	LEMO 3K.93C/FURUKAWA (SMPTE Type) HD CAMERA CABLE, FUW-PUW, 9.2mm J grade ARIB fibre, 25m	UKF.3K.B20.002500	25
50-1009	LEMO 3K.93C/FURUKAWA (SMPTE Type) HD CAMERA CABLE, FUW-PUW, 9.2mm J grade ARIB fibre, 30m	UKF.3K.B20.003000	30
50-1011	LEMO 3K.93C/FURUKAWA (SMPTE Type) HD CAMERA CABLE, FUW-PUW, 9.2mm J grade ARIB fibre, 50m	UKF.3K.B20.005000	50
50-1012	LEMO 3K.93C/FURUKAWA (SMPTE Type) HD CAMERA CABLE, FUW-PUW, 9.2mm J grade ARIB fibre, 100m	UKF.3K.B20.010000	100
50-1013	LEMO 3K.93C/FURUKAWA (SMPTE Type) HD CAMERA CABLE, FUW-PUW, 9.2mm J grade ARIB fibre, 150m	UKF.3K.B20.015000	150
50-1014	LEMO 3K.93C/FURUKAWA (SMPTE Type) HD CAMERA CABLE, FUW-PUW, 9.2mm J grade ARIB fibre, 200m	UKF.3K.B20.020000	200
50-1015	LEMO 3K.93C/FURUKAWA (SMPTE Type) HD CAMERA CABLE, FUW-PUW, 9.2mm J grade ARIB fibre, 250m	UKF.3K.B20.025000	250
50-1016	LEMO 3K.93C/FURUKAWA (SMPTE Type) HD CAMERA CABLE, FUW-PUW, 9.2mm J grade ARIB fibre, 300m	UKF.3K.B20.030000	300
50-1017	LEMO 3K.93C/FURUKAWA (SMPTE Type) HD CAMERA CABLE, FUW-PUW, 9.2mm J grade ARIB fibre, 400m	UKF.3K.B20.040000	400
50-1018	LEMO 3K.93C/FURUKAWA (SMPTE Type) HD CAMERA CABLE, FUW-PUW, 9.2mm J grade ARIB fibre, 500m	UKF.3K.B20.050000	500

Other lengths are available on request.

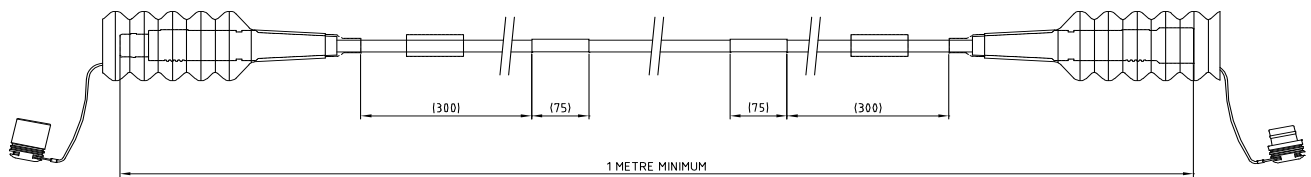


HD camera cables FUW to PUVW models with Furukawa “A” grade SMPTE cable

HD SMPTE fibre camera cable assemblies - LEMO FUW plug and PUVW socket models terminated to Furukawa commercial A-grade hybrid fibre cable to SMPTE standard, including boots & gaiters, for outdoor applications.

These assemblies use the following components and are supplied on wooden transport drums:

- | | | | |
|-------------------|--|-----------------|--------------------------------|
| FUW.3K.93C.TLMC96 | - in-line plug | GMP.3K.085.EANZ | - overboot for socket |
| PUW.3K.93C.TLCC96 | - in-line socket | UKP07.0487.04 | - protective gaiter for plug |
| GMF.3K.085.EANZ | - overboot for plug | UKP07.0487.05 | - protective gaiter for socket |
| UKT.0000790 | - commercial quality “A” grade to SMPTE standard - TV-OM-AMS | | |



Product Code	Description	LEMO Part Number	Length (m)
50-1021	LEMO 3K.93C/FURUKAWA SMPTE HD CAMERA CABLE, FUW-PUW, 9.2mm A grade SMPTE fibre, 1m	UKF.3K.B57.000100	1
50-1022	LEMO 3K.93C/FURUKAWA SMPTE HD CAMERA CABLE, FUW-PUW, 9.2mm A grade SMPTE fibre, 2m	UKF.3K.B57.000200	2
50-1023	LEMO 3K.93C/FURUKAWA SMPTE HD CAMERA CABLE, FUW-PUW, 9.2mm A grade SMPTE fibre, 3m	UKF.3K.B57.000300	3
50-1024	LEMO 3K.93C/FURUKAWA SMPTE HD CAMERA CABLE, FUW-PUW, 9.2mm A grade SMPTE fibre, 5m	UKF.3K.B57.000500	5
50-1025	LEMO 3K.93C/FURUKAWA SMPTE HD CAMERA CABLE, FUW-PUW, 9.2mm A grade SMPTE fibre, 10m	UKF.3K.B57.001000	10
50-1026	LEMO 3K.93C/FURUKAWA SMPTE HD CAMERA CABLE, FUW-PUW, 9.2mm A grade SMPTE fibre, 15m	UKF.3K.B57.001500	15
50-1027	LEMO 3K.93C/FURUKAWA SMPTE HD CAMERA CABLE, FUW-PUW, 9.2mm A grade SMPTE fibre, 20m	UKF.3K.B57.002000	20
50-1028	LEMO 3K.93C/FURUKAWA SMPTE HD CAMERA CABLE, FUW-PUW, 9.2mm A grade SMPTE fibre, 25m	UKF.3K.B57.002500	25
50-1029	LEMO 3K.93C/FURUKAWA SMPTE HD CAMERA CABLE FUW-PUW, 9.2mm A grade SMPTE fibre, 30m	UKF.3K.B57.003000	30
50-1031	LEMO 3K.93C/FURUKAWA SMPTE HD CAMERA CABLE FUW-PUW, 9.2mm A grade SMPTE fibre, 50m	UKF.3K.B57.005000	50
50-1032	LEMO 3K.93C/FURUKAWA SMPTE HD CAMERA CABLE FUW-PUW, 9.2mm A grade SMPTE fibre, 100m	UKF.3K.B57.010000	100
50-1033	LEMO 3K.93C/FURUKAWA SMPTE HD CAMERA CABLE FUW-PUW, 9.2mm A grade SMPTE fibre, 150m	UKF.3K.B57.015000	150
50-1034	LEMO 3K.93C/FURUKAWA SMPTE HD CAMERA CABLE FUW-PUW, 9.2mm A grade SMPTE fibre, 200m	UKF.3K.B57.020000	200
50-1035	LEMO 3K.93C/FURUKAWA SMPTE HD CAMERA CABLE FUW-PUW, 9.2mm A grade SMPTE fibre, 250m	UKF.3K.B57.025000	250
50-1036	LEMO 3K.93C/FURUKAWA SMPTE HD CAMERA CABLE FUW-PUW, 9.2mm A grade SMPTE fibre, 300m	UKF.3K.B57.030000	300
50-1037	LEMO 3K.93C/FURUKAWA SMPTE HD CAMERA CABLE FUW-PUW, 9.2mm A grade SMPTE fibre, 400m	UKF.3K.B57.040000	400
50-1038	LEMO 3K.93C/FURUKAWA SMPTE HD CAMERA CABLE FUW-PUW, 9.2mm A grade SMPTE fibre, 500m	UKF.3K.B57.050000	500

Other lengths are available on request.

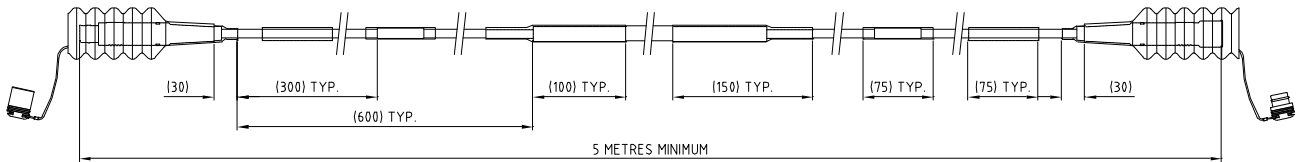


16mm HD Studio floor camera cable assemblies FUW to PUW models with ARIB “J” grade cable

HD studio floor SMPTE fibre camera cable assemblies with LEMO FUW plug and PUW socket models terminated to large diameter 16mm Furukawa “J” grade hybrid fibre cable to ARIB standard, with overboots fitted for maximum protection.

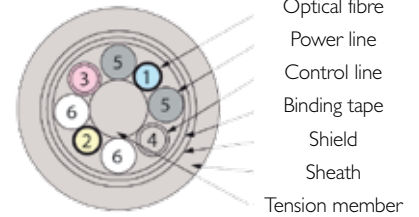
These assemblies use the following components:

- | | | | |
|-------------------|---|-----------------|------------------------|
| FUW.3K.93C.TLMC96 | - in-line plug | GMF.3K.085.EANZ | - overboot for plug |
| PUW.3K.93C.TLCC96 | - in-line socket | GMP.3K.085.EANZ | - overboot for socket. |
| UKT.0000762 | - high quality “J” grade studio floor cable to Japanese ARIB standard - 2SM-16-37.5 | | |



Product Code	Description	LEMO Part Number	Length (m)
50-1041	LEMO 3K.93C/FURUKAWA (SMPTE Type) STUDIO FLOOR CABLE, FUW-PUW, 16mm J grade ARIB fibre, 5m	UKF.3K.B55.000500	5
50-1042	LEMO 3K.93C/FURUKAWA (SMPTE Type) STUDIO FLOOR CABLE, FUW-PUW, 16mm J grade ARIB fibre, 10m	UKF.3K.B55.001000	10
50-1043	LEMO 3K.93C/FURUKAWA (SMPTE Type) STUDIO FLOOR CABLE, FUW-PUW, 16mm J grade ARIB fibre, 15m	UKF.3K.B55.001500	15
50-1045	LEMO 3K.93C/FURUKAWA (SMPTE Type) STUDIO FLOOR CABLE, FUW-PUW, 16mm J grade ARIB fibre, 25m	UKF.3K.B55.002500	25
50-1046	LEMO 3K.93C/FURUKAWA (SMPTE Type) STUDIO FLOOR CABLE, FUW-PUW, 16mm J grade ARIB fibre, 30m	UKF.3K.B55.003000	30
50-1048	LEMO 3K.93C/FURUKAWA (SMPTE Type) STUDIO FLOOR CABLE, FUW-PUW, 16mm J grade ARIB fibre, 50m	UKF.3K.B55.005000	50
50-1049	LEMO 3K.93C/FURUKAWA (SMPTE Type) STUDIO FLOOR CABLE, FUW-PUW, 16mm J grade ARIB fibre, 100m	UKF.3K.B55.010000	100

Other lengths are available on request.



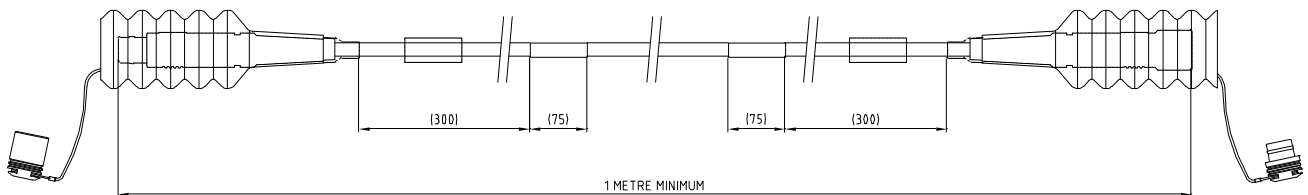
HD camera cables FUW to PUVW models with Furukawa 6.8mm light weight hybrid fibre cable

HD camera cable assemblies - LEMO FUW plug and PUVW socket models terminated to Furukawa light weight hybrid fibre cable based on SMPTE standard, including boots & gaiters, for both studio and outdoor applications.

Small diameter cable (6.8mm diameter) gives 45% weight saving for up to 1km distance depending on camera system. Not to be used with other cables without checking electrical ratings and requirements first.

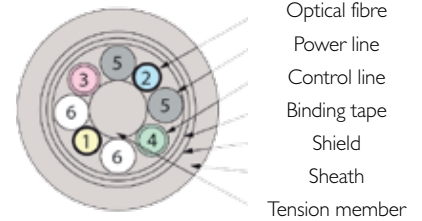
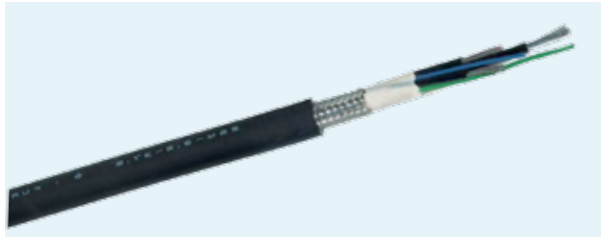
These assemblies use the following components:

- FUW.3K.93C.TLMC96 - in-line plug
- PUW.3K.93C.TLCC96 - in-line socket
- GMF.3K.085.EANZ - overboot for plug
- GMP.3K.085.EANZ - overboot for socket
- UKP.07.0487.04 - protective gaiter for plug
- UKP.07.0487.05 - protective gaiter for socket
- UKT.0001358 - light weight hybrid fibre cable to SMPTE layout



Product Code	Description	LEMO Part Number	Length (m)
50-1061	LEMO 3K.93C LIGHTWEIGHT HD CAMERA CABLE, FUW-PUW, 6.8mm SMPTE fibre, 5m	UKF.3K.C71.000500	5
50-1062	LEMO 3K.93C LIGHTWEIGHT HD CAMERA CABLE, FUW-PUW, 6.8mm SMPTE fibre, 10m	UKF.3K.C71.001000	10
50-1063	LEMO 3K.93C LIGHTWEIGHT HD CAMERA CABLE, FUW-PUW, 6.8mm SMPTE fibre, 25m	UKF.3K.C71.002500	25
50-1064	LEMO 3K.93C LIGHTWEIGHT HD CAMERA CABLE, FUW-PUW, 6.8mm SMPTE fibre, 50m	UKF.3K.C71.005000	50
50-1065	LEMO 3K.93C LIGHTWEIGHT HD CAMERA CABLE, FUW-PUW, 6.8mm SMPTE fibre, 100m	UKF.3K.C71.010000	100

Other lengths are available on request.

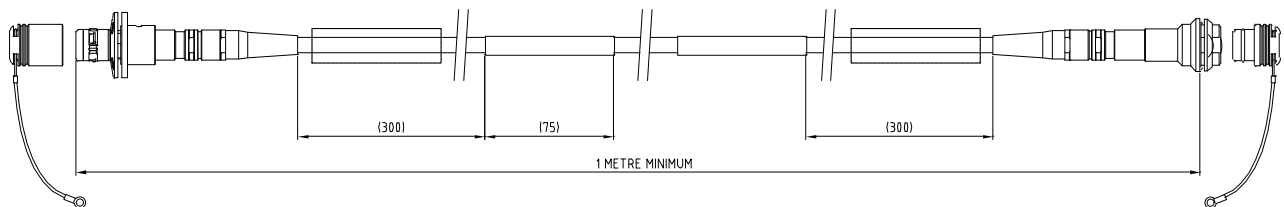


Fixed HD cables panel mounted plug (FMW) to panel mounted socket (PEW) with Furukawa “J” grade ARIB cable

Fixed HD hybrid fibre cable assemblies with LEMO FMW panel plug and PEW panel socket models terminated to top quality Furukawa “J” grade cable to ARIB standard, including strain relief sleeves & dust caps, typically for installations.

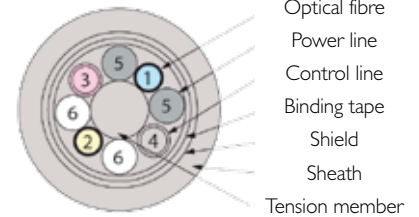
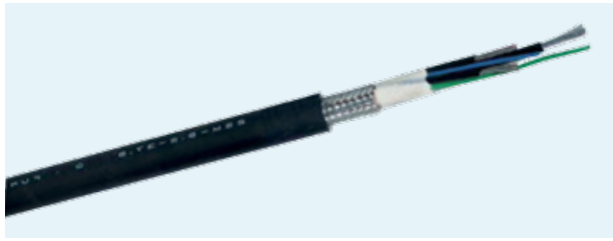
These assemblies use the following components:

- FMW.3K.93C.TLMT96Z - in-line plug
- PEW.3K.93C.TLCT96Z - in-line socket
- GMA.3B.090.DN - bend relief for plug/socket
- BHA.3K.100.EAN - protective cap for plug
- BRA.3K.200.EAN - protective cap for socket
- UKT.0000543 - high quality “J” grade to Japanese ARIB standard - 2SM-9.2-37.5



Product Code	Description	LEMO Part Number	Length (m)
50-1071	LEMO 3K.93C/FURUKAWA (SMPTE Type) PANEL FMW-PEW, 9.2mm J grade ARIB fibre, 5m	UKF.3K.C53.000500	5
50-1072	LEMO 3K.93C/FURUKAWA (SMPTE Type) PANEL FMW-PEW, 9.2mm J grade ARIB fibre, 10m	UKF.3K.C53.001000	10
50-1073	LEMO 3K.93C/FURUKAWA (SMPTE Type) PANEL FMW-PEW, 9.2mm J grade ARIB fibre, 15m	UKF.3K.C53.001500	15
50-1074	LEMO 3K.93C/FURUKAWA (SMPTE Type) PANEL FMW-PEW, 9.2mm J grade ARIB fibre, 20m	UKF.3K.C53.002000	20
50-1075	LEMO 3K.93C/FURUKAWA (SMPTE Type) PANEL FMW-PEW, 9.2mm J grade ARIB fibre, 25m	UKF.3K.C53.002500	25

Other lengths are available on request.

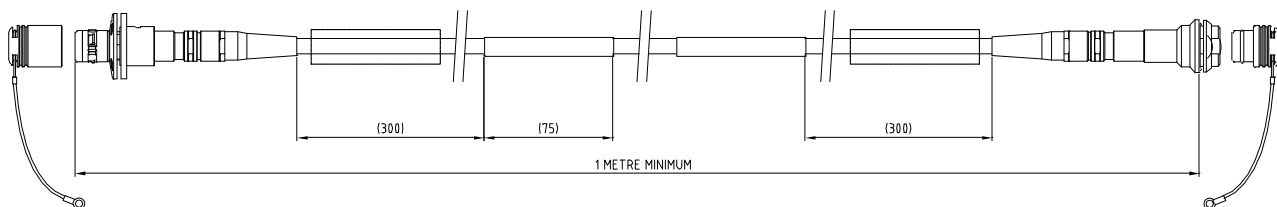


Fixed HD cable assemblies panel mounted plug (FMW) to panel mounted socket (PEW) with Furukawa "A" grade SMPTE cable

Fixed HD hybrid fibre cable assemblies with LEMO FMW panel plug and PEW panel socket models terminated to Furukawa commercial "A" grade cable to SMPTE standard, including strain relief sleeves & dust caps, typically for installations.

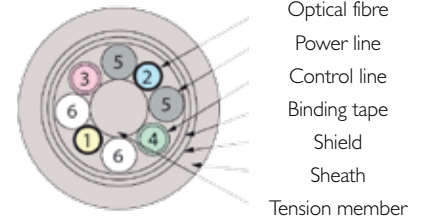
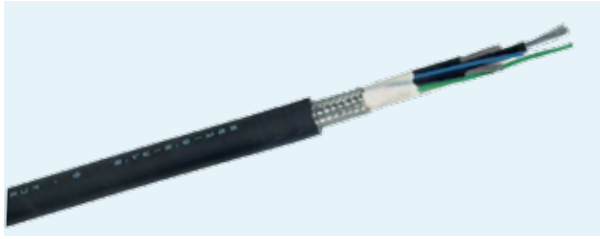
These assemblies use the following components:

FMW.3K.93C.TLMT96Z	- in-line plug
PEW.3K.93C.TLCT96Z	- in-line socket
GMA.3B.090.DN	- bend relief for plug/socket
BHA.3K.100.EAN	- protective cap for plug
BRA.3K.200.EAN	- protective plug for socket
UKT.0000790	- commercial quality "A" grade to SMPTE standard - TV-OM-AMS



Product Code	Description	LEMO Part Number	Length (m)
50-1081	LEMO 3K.93C/FURUKAWA SMPTE PANEL FMW-PEW, 9.2mm A grade SMPTE fibre, 5m	UKF.3K.C55.000500	5
50-1082	LEMO 3K.93C/FURUKAWA SMPTE PANEL FMW-PEW, 9.2mm A grade SMPTE fibre, 10m	UKF.3K.C55.001000	10
50-1083	LEMO 3K.93C/FURUKAWA SMPTE PANEL FMW-PEW, 9.2mm A grade SMPTE fibre, 15m	UKF.3K.C55.001500	15
50-1084	LEMO 3K.93C/FURUKAWA SMPTE PANEL FMW-PEW, 9.2mm A grade SMPTE fibre, 20m	UKF.3K.C55.002000	20
50-1085	LEMO 3K.93C/FURUKAWA SMPTE PANEL FMW-PEW, 9.2mm A grade SMPTE fibre, 25m	UKF.3K.C55.002500	25

Other lengths are available on request.

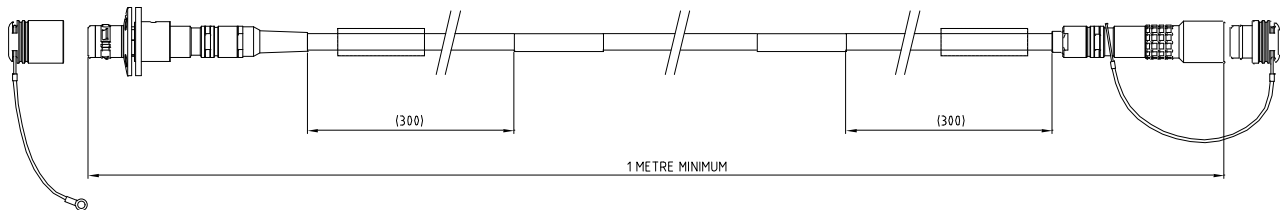


Fixed to free HD cables panel mounted plug (FMW) to free socket (PUW) with Furukawa “J” grade ARIB cable

Fixed to free HD hybrid fibre cable assemblies with LEMO FMW panel plug and PUW free socket models terminated to top quality Furukawa “J” grade cable to ARIB standard, including strain relief sleeve & cap, and boot & gaiters on the loose end, typically for panel to CCU applications.

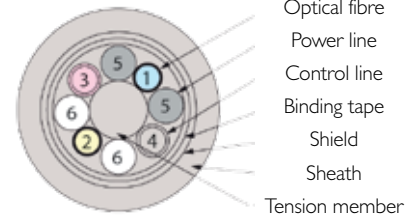
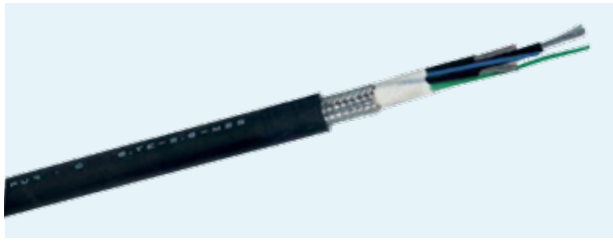
These assemblies use the following components:

- FMW.3K.93C.TLMT96Z - in-line plug
- PUW.3K.93C.TLCC96 - in-line socket
- GMA.3B.090.DN - bend relief for plug/socket
- BHA.3K.100.EAN - protective cap for plug
- BRF.3K.200.EAN - protective cap for socket
- UKT.0000543 - high quality “J” grade to Japanese ARIB standard - 2SM-9.2-37.5



Product Code	Description	LEMO Part Number	Length (m)
50-1091	LEMO 3K.93C/FURUKAWA (SMPTE Type) PANEL PLG-FREE SKT, FMW-PUW, 9.2mm J grade ARIB fibre, 5m	UKF.3K.C46.000500	5
50-1092	LEMO 3K.93C/FURUKAWA (SMPTE Type) PANEL PLG-FREE SKT, FMW-PUW, 9.2mm J grade ARIB fibre, 10m	UKF.3K.C46.001000	10
50-1093	LEMO 3K.93C/FURUKAWA (SMPTE Type) PANEL PLG-FREE SKT, FMW-PUW, 9.2mm J grade ARIB fibre, 15m	UKF.3K.C46.001500	15
50-1094	LEMO 3K.93C/FURUKAWA (SMPTE Type) PANEL PLG-FREE SKT, FMW-PUW, 9.2mm J grade ARIB fibre, 20m	UKF.3K.C46.002000	20
50-1095	LEMO 3K.93C/FURUKAWA (SMPTE Type) PANEL PLG-FREE SKT, FMW-PUW, 9.2mm J grade ARIB fibre, 25m	UKF.3K.C46.002500	25
50-1096	LEMO 3K.93C/FURUKAWA (SMPTE Type) PANEL PLG-FREE SKT, FMW-PUW, 9.2mm J grade ARIB fibre, 50m	UKF.3K.C46.005000	50
50-1097	LEMO 3K.93C/FURUKAWA (SMPTE Type) PANEL PLG-FREE SKT, FMW-PUW, 9.2mm J grade ARIB fibre, 100m	UKF.3K.C46.010000	100
50-1098	LEMO 3K.93C/FURUKAWA (SMPTE Type) PANEL PLG-FREE SKT, FMW-PUW, 9.2mm J grade ARIB fibre, 200m	UKF.3K.C46.020000	200
50-1099	LEMO 3K.93C/FURUKAWA (SMPTE Type) PANEL PLG-FREE SKT, FMW-PUW, 9.2mm J grade ARIB fibre, 300m	UKF.3K.C46.030000	300

Other lengths are available on request.

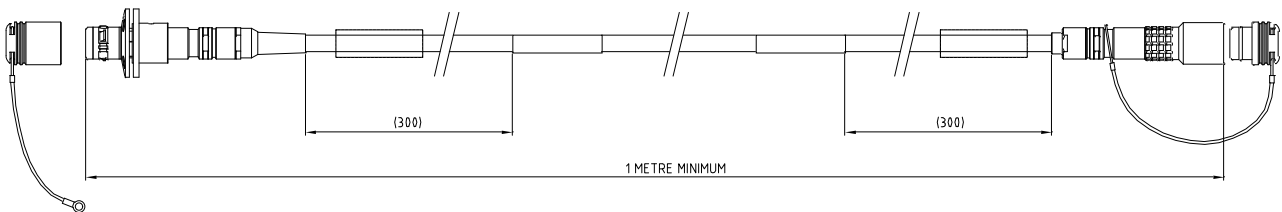


Fixed to free HD cables panel mounted plug (FMW) to free socket (PUW) with Furukawa “A” grade SMPTE cable

Fixed to free HD hybrid fibre cable assemblies with LEMO FMW panel plug and PUW free socket models terminated to Furukawa “A” grade cable to SMPTE standard, including strain relief sleeve & cap, and boot & gaiters on the loose end, typically for panel to CCU applications in studio, stadium or OB van applications.

These assemblies use the following components:

- FMW.3K.93C.TLMT96Z - in-line plug
- PUW.3K.93C.TLCC96 - in-line socket
- GMA.3B.090.DN - bend relief for plug/socket
- BHA.3K.100.EAN - protective cap for plug
- BRF.3K.200.EAN - protective cap for socket
- UKT.0000790 - commercial quality “A” grade to SMPTE standard - TV-OM-AMS



Product Code	Description	LEMO Part Number	Length (m)
50-1101	LEMO 3K.93C/FURUKAWA SMPTE PANEL PLG-FREE SKT, FMW-PUW, 9.2mm A grade SMPTE fibre, 5m	UKF.3K.C43.000500	5
50-1102	LEMO 3K.93C/FURUKAWA SMPTE PANEL PLG-FREE SKT, FMW-PUW, 9.2mm A grade SMPTE fibre, 10m	UKF.3K.C43.001000	10
50-1103	LEMO 3K.93C/FURUKAWA SMPTE PANEL PLG-FREE SKT, FMW-PUW, 9.2mm A grade SMPTE fibre, 15m	UKF.3K.C43.001500	15
50-1104	LEMO 3K.93C/FURUKAWA SMPTE PANEL PLG-FREE SKT, FMW-PUW, 9.2mm A grade SMPTE fibre, 20m	UKF.3K.C43.002000	20
50-1105	LEMO 3K.93C/FURUKAWA SMPTE PANEL PLG-FREE SKT, FMW-PUW, 9.2mm A grade SMPTE fibre, 25m	UKF.3K.C43.002500	25
50-1106	LEMO 3K.93C/FURUKAWA SMPTE PANEL PLG-FREE SKT, FMW-PUW, 9.2mm A grade SMPTE fibre, 50m	UKF.3K.C43.005000	50
50-1107	LEMO 3K.93C/FURUKAWA SMPTE PANEL PLG-FREE SKT, FMW-PUW, 9.2mm A grade SMPTE fibre, 100m	UKF.3K.C43.010000	100
50-1108	LEMO 3K.93C/FURUKAWA SMPTE PANEL PLG-FREE SKT, FMW-PUW, 9.2mm A grade SMPTE fibre, 200m	UKF.3K.C43.020000	200
50-1109	LEMO 3K.93C/FURUKAWA SMPTE PANEL PLG-FREE SKT, FMW-PUW, 9.2mm A grade SMPTE fibre, 300m	UKF.3K.C43.030000	300

Other lengths are available on request.

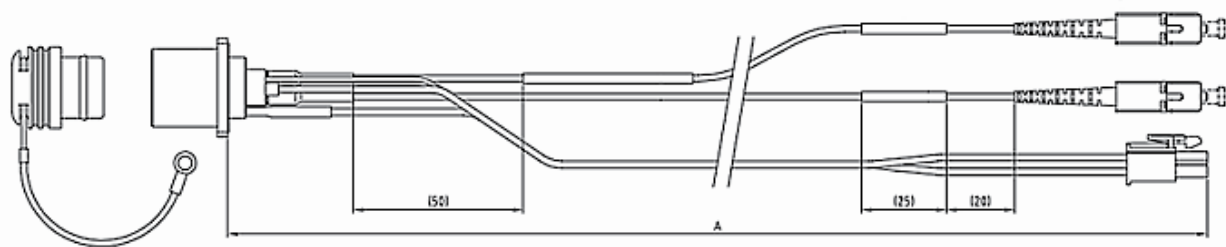


HD Panel Sockets with tails for Fibre Splicing or use with Junction Boxes

The LEMO EDW model socket is used as a standard on many HD hybrid fibre cameras. The same connector can be used in patch panels and other channel connections from the camera end, or can be used on other equipment that is designed to take advantage of SMPTE hybrid fibre links.

The connector can be provided with either bare tails for direct connection to the cable with fibre splicing, or with connectors terminated for connection inside a splice junction box or similar.

Each loom is 100% tested to meet LEMO specifications prior to despatch.



Product Code	Description	LEMO Part Number	Length (m)
50-1111	LEMO 3K.93C SMPTE PANEL SKT, EDW with unterminated fibre and electrical tails, 0.5m	UKF.3K.B61.000050	0.5
50-1112	LEMO 3K.93C SMPTE PANEL SKT, EDW with SC fibre and 6 way electrical plug terminated tails, 0.5m	UKF.3K.B62.000050	0.5
50-1113	LEMO 3K.93C SMPTE PANEL SKT, EDW with LC fibre terminated and bare wire tails, 0.5m	UKF.3K.C12.000050	0.5

Cap is included in the above assembly part numbers.

Other lengths or electrical or fibre connectors are available on request.

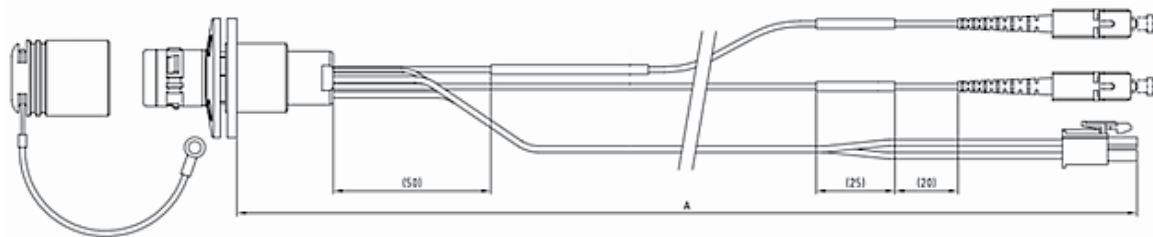


HD Panel Plugs with tails for Fibre Splicing or use with Junction Boxes

The LEMO FXW model panel mounted plug is used as a standard on many HD hybrid fibre CCU's. The same connector can be used in patch panels and other channel connections from the CCU end, or can be used on other equipment that is designed to take advantage of SMPTE hybrid fibre links.

The connector can be provided with either bare tails for direct connection to the cable with fibre splicing, or with connectors terminated for connection inside a patching unit, splice junction box or similar.

Each loom is 100% tested to meet LEMO specifications prior to despatch.



Product Code	Description	LEMO Part Number	Length (m)
50-I 121	LEMO 3K.93C SMPTE PANEL PLG, FXW with unterminated fibre and electrical tails, 0.5m	UKF.3K.B59.000050	0.5
50-I 122	LEMO 3K.93C SMPTE PANEL PLG, FXW with SC fibre and 6 way electrical plug terminated tails, 0.5m	UKF.3K.B60.000050	0.5
50-I 123	LEMO 3K.93C SMPTE PANEL PLG, FXW with LC fibre terminated and bare wire tails, 0.5m	UKF.3K.C13.000050	0.5

Cap is included in the above assembly part numbers.

Other lengths or electrical or fibre connectors are available on request.



LEMO F2 fibre contacts and other connector patchcords for fibre splicing

The simplest method of installing HD fibre hybrid connectors and cables on site is to make use of fibre splicing. The use of modern fusion splicing equipment provides a fast and reliable means of installing HD fibre links in fixed locations. It also means that telecoms approved contractors that are experienced in splicing singlemode fibre can complete the task, rather than requiring specialist training for the SMPTE standard HD fibre hybrid connector termination.

There are many means of achieving a suitable termination of panel mount connectors in installations, from a simple “hardwired” termination to a fully replaceable junction, the latter being recommended for ease of refurbishment in case of accidental damage or long-term wear. For the replaceable junction you may prefer to use telecoms industry patchcords for the spliced side and so a range of LEMO F2 to telecoms industry connector patchcords are available.

Assembly of the patchcord into the LEMO 3K.93C hybrid fibre connector is straightforward - the LEMO F2 fibre contact simply clicks into the back of the connector insulator – and the electrical contacts require the use of industry-standard crimp tools with a LEMO positioner.

A range of standard patchcords are available from LEMO as indicated below, and special requirements or different lengths can be provided as needed. Multimode patchcords are also available for other applications.

Product Code	Description	LEMO Part Number	Length (m)
50-1131	LEMO F2 to FC/PC fibre contact - 9/125µm singlemode patchcord, 1m	UKF.F2.A90.000100	1
50-1132	LEMO F2 to SC fibre contact - 9/125µm singlemode patchcord, 1m	UKF.F2.A91.000100	1
50-1133	LEMO F2 to ST fibre contact - 9/125µm singlemode patchcord, 1m	UKF.F2.A92.000100	1
50-1134	LEMO F2 to F2 fibre contact - 9/125µm singlemode patchcord, 1m	UKF.F2.A93.000100	1
50-1135	LEMO F2 to LC fibre contact - 9/125µm singlemode patchcord, 1m	UKF.F2.A94.000100	1
50-1136	LEMO F2 to E2000 fibre contact - 9/125µm singlemode patchcord, 1m	UKF.F2.B10.000100	1

Other lengths are available on request.



HD hybrid fibre cable assemblies for Steadicam applications - FGW In-Line Plug to PHW In-Line Socket, with flexible 4.2mm O/D Cable

HD SMPTE fibre camera cable assemblies - LEMO FUW plug and PUW socket models terminated to Furukawa commercial A-grade hybrid fibre cable based on SMPTE standard, including boots & gaiters, for outdoor applications.

These assemblies use the following components:

FGW.3K.93C.TLPT46Z	- in-line plug
PHW.3K.93C.TLBT46Z	- in-line socket
GMA.2B.040.DR	- overboot for plug
GMA.2B.040.DV	- overboot for socket
BFG.3K.100.EAN	- protective cap for plug
BRF.3K.200.EAN	- protective cap for socket
UKT.0000837	- Steadicam 4.2mm O/D cable

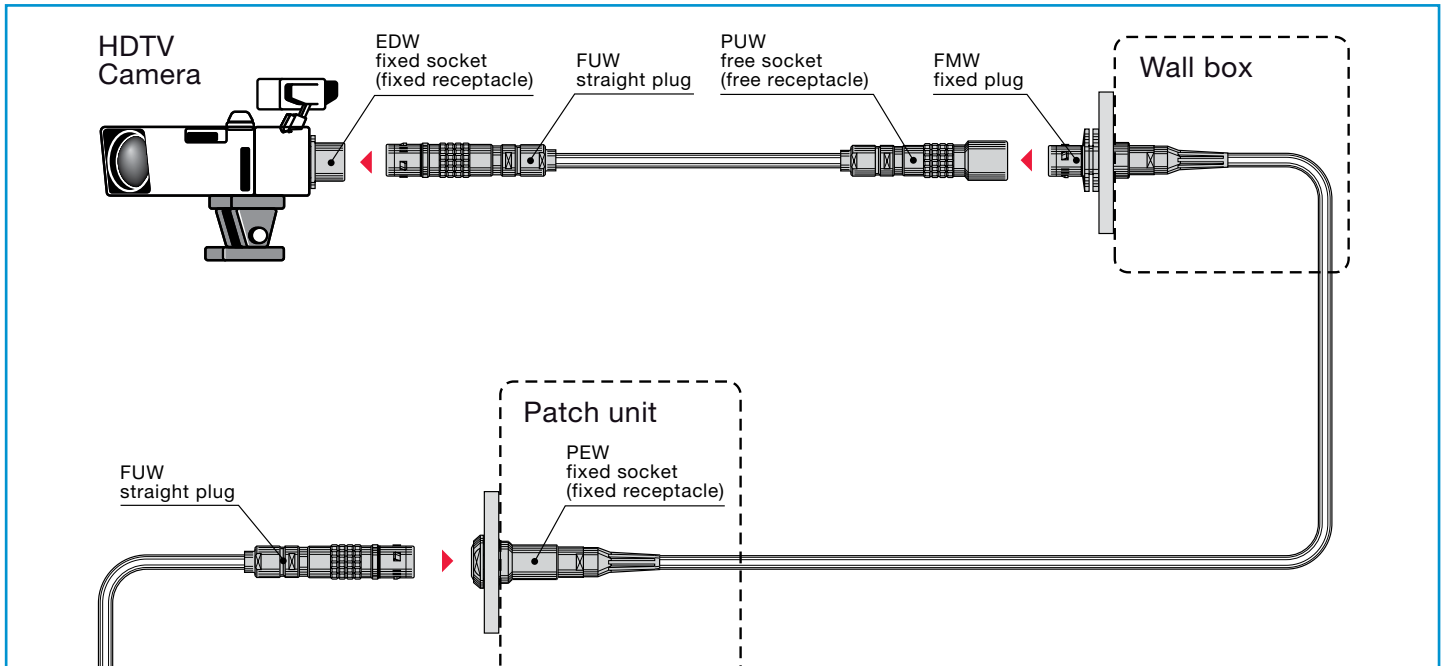
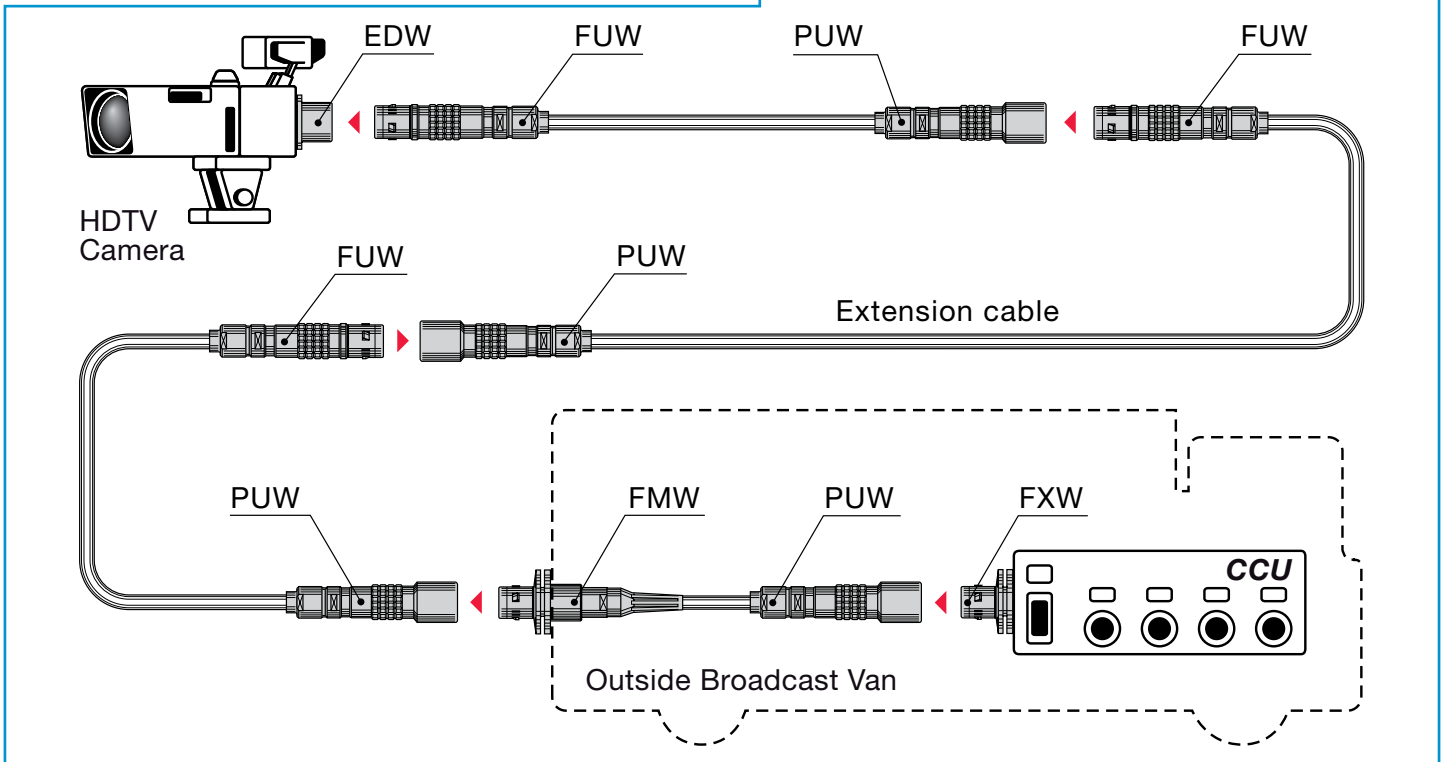


Product Code	Description	LEMO Part Number	Length (m)
50-1051	LEMO 3K.93C STEADYCAM HD CAMERA CABLE, FGW-PHW, 4.2mm Miniature SMPTE fibre, 1.5m	UKF.3K.B86.000150	1.5
50-1052	LEMO 3K.93C STEADYCAM HD CAMERA CABLE, FGW-PHW, 4.2mm Miniature SMPTE fibre, 2.0m	UKF.3K.B86.000200	2.0
50-1053	LEMO 3K.93C STEADYCAM HD CAMERA CABLE, FGW-PHW, 4.2mm Miniature SMPTE fibre, 2.5m	UKF.3K.B86.000250	2.5
50-1054	LEMO 3K.93C STEADYCAM HD CAMERA CABLE, FGW-PHW, 4.2mm Miniature SMPTE fibre, 3.0m	UKF.3K.B86.000300	3.0

Other lengths are available on request.



Outside Broadcast Van Configuration



Studio Configuration

