

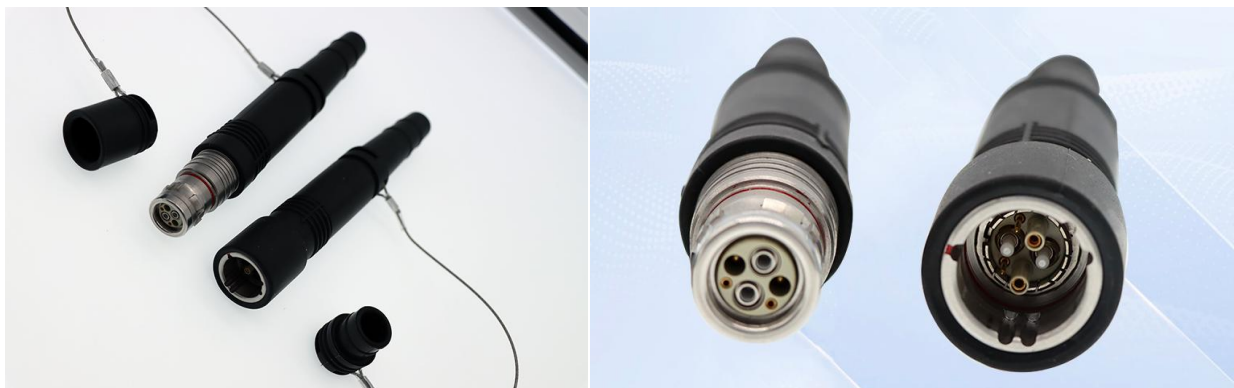
3K.93C HD Camera Fiber Optic Cable Assemblies

Product Description

Our company specializes in the production of high-definition camera cable assemblies. Connector using Switzerland LEMO original 3K.93C connector, composite cable using the United States BELEDN and Japan Furukawa production of high-definition cameras special composite cable, the price of the lowest domestic, quality assurance, fast delivery. The following is the related product introduction:

3K.93C series connectors in the high-definition camera TV (HDTV) introduced early, Switzerland LEMO (LEMO) developed the connector, and make it a high-definition television connection standard. It is now the only connector in the world that is fully compatible with SMPTE, ARIB and EBU standards. With a lifespan of over 20,000 insertions and withdrawals and superior performance with an insertion loss of only 0.1 Db, the LEMO 3K.93C series connectors are used by leading domestic and international broadcasters as the standard interface for HD camera systems.

Optical composite cable consists of 4 HDTV camera power supply with power cord (20AWG), 2 signal control cable (24AWG) and 2 single-mode optical fiber for video and audio transmission, this composite cable core through a 1.8mm high-strength steel wire, the overall braided mesh shielding, the design will ensure the structural integrity, while maintaining good winding, which can extend the service life of the cable. This composite cable can be used to connect different cameras for outdoor live broadcasts, or in control room fixtures where studio cameras are connected.



Features

- Plug and pull self-locking system for fast connection, insertion loss $\leq 0.1\text{dB}$
- Two-way fiber optic, two-way power and two-way signal pin configuration
- Stainless steel housing suitable for use in particularly harsh environments, can withstand 20,000 times of plugging and unplugging
- Can withstand 1.5 meters of water immersion after connection (protection class IP68)
- Easy cleaning of fiber optic cores
- High- and low-temperature resistant, with an operating temperature range of -40°C to $+80^{\circ}\text{C}$.
- Optional pre-terminated F2 fiber optic inserts for quick and easy installation in the field.
- SMPTE, ARIB and EBU standard.

Applications

- Outdoor live broadcast applications
- Stadium applications
- Studio applications
- Concerts
- HD video transmission, broadcast TV

Pictures





Plug



Socket



Production line



Use case



Cable structure



Fixed socket (with 3U panel)



Fixed plug (with 3U panel)



Use case

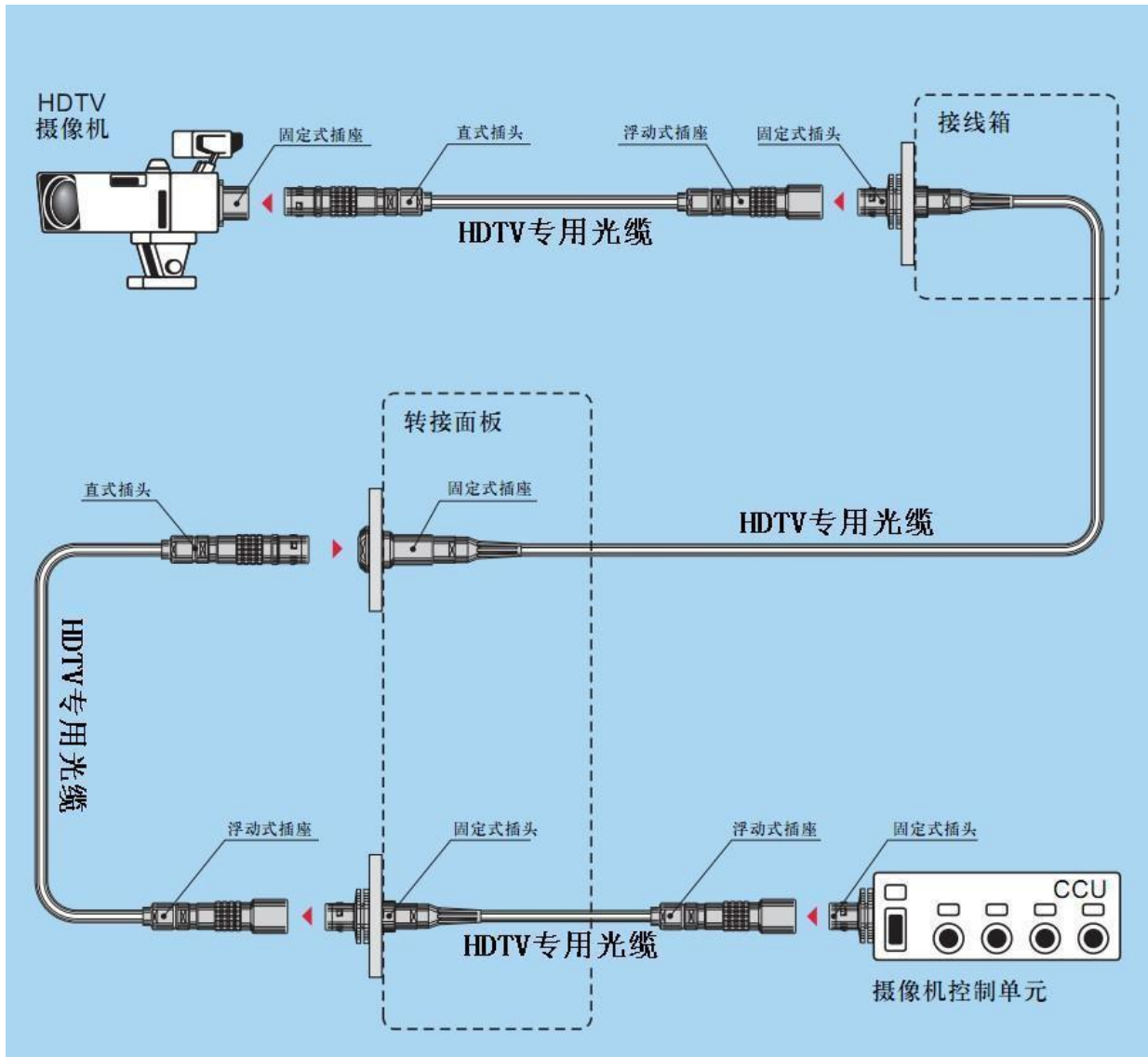


Fixed plug

Product Parameter

Categories	Parameter	Unit	Value
Optical performance	Insertion loss	dB	≤0.5dB
Mechanical Environmental Performance	waterproof level	/	IP68
	tensile strength	N	500N, 1min
	Operating temperature	°C	-40~+80





Connection Schematic

