

Optical Connectors



The new LKO hybrid optical/power connector features a 4 channel expanded beam optical connection and 5 x 8 AWG electrical contacts. The power contacts are ideal for transporting a three phase 32A power source in addition to the tactical optical cable (4 Single mode 9/125 wires, ref. **eurocable** CVS LK FO4SM 8/5).

Link is pleased to introduce this innovative solution thanks to the valuable input from our clients and by leveraging the flexibility we are afforded by designing and manufacturing our own lines of **eurocable** and LK connectors.

The most immediate need has been to establish more effective and integrated methods to distribute multiple signals and power within the live broadcast and entertainment venues. Providing solutions that are flexible and robust for demanding environments presents additional challenges. By leveraging the optical, mechanical, and electrical expertise of our team, we can provide our clients with configurable solutions for the transport of power, Ethernet, audio, video, DMX, and GPI/O. With the addition of the DGLink mux/demux modules, we can provide up to 64 optical channels at 10Gps each.



LKO are available in male and female configurations in both cable and panel versions.

- Waterproof up to 10 m (33 ft) for 12 hours
- PG cable relief
- Highly resistant black finishing
- Roller studs for easier coupling
- High resistance to shock and vibrations
- Expanded beam fiber optic contacts
- Easy and error-free mating
- Audible snap in quick bayonet lock
- Excellent resistance against unlocking
- Guaranteed for over 2000 coupling operations



Rear view

OPTICAL CABLES

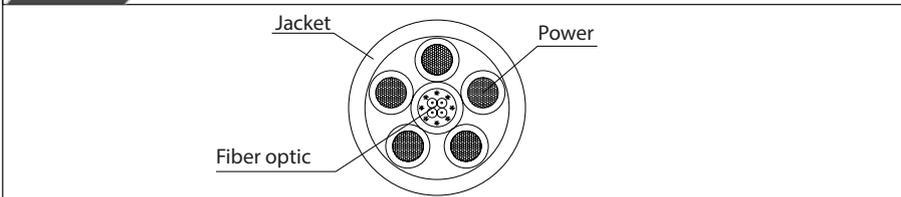
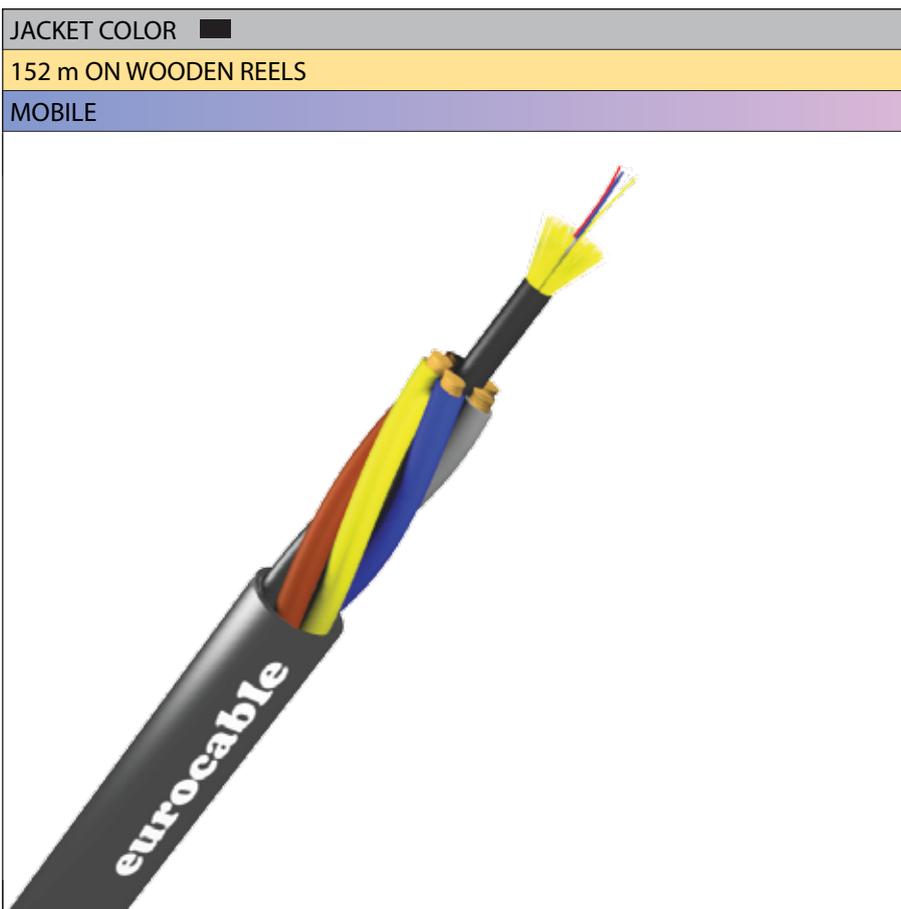


The new CVS LK FO4SM 8/5 hybrid cable features 4 strands of Single-mode Optical Fibre (SMF) (9/125) and 5 conductors of 10mm². Specifically designed for live entertainment and broadcast events, this addition to the **eurocable** line by Link offers users the unique ability to deliver power and data for extended distances in harsh environments.

When coupled with Link's new LKO hybrid expanded beam style connector, setup time is reduced and reliability in the field is greatly improved. Designed with tactical characteristics, the LK FO4SM 8/5 cable is cut/abrasion resistant and can also be terminated to conventional fan-in/outs on request.

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Link Srl Rome, Italy, is a manufacturer and distributor for a professional range of cables, connectors, and distribution solutions dedicated to the entertainment and broadcast industry. LK Connectors, eurocable, and DGLink are registered trademarks of Link.



MAX CURRENT CAPACITY PER CABLE LENGTH			
Ampacity (each phase)	30A	20A	15A
Max length (m) Δu=4%	500 ft	720 ft	985 ft

CVS LK FO4SM 8/5
Fiber Optic Hybrid Cable SM 9/125 and electric conductors.

ELECTRICAL DATA	POWER	SINGLE MODE OPTICAL FIBER
D.C.R. at 20°C	<2.14 ohm/Km at 20°C	-
Operating voltage	0.6/1KV	-
Test voltage	2000 Vca x 1' cond/con	-
Attenuation	-	<0.4 dB/Km at 1300 nm
	-	<0.25 dB/Km at 1550 nm

GENERAL DATA				
Cable	O.D.	20.6 mm		
	Weight	800 Kg/Km		
	Bending radius	10 x O.D.		
Overall jacket	Material	Flame resistant PVC		
	Thickness	1.9 mm		
Internal jacket	Material		PUR	
Conductor	Qty	5	4	
	Area/AWG	10 mm ² /8	-	
	Fillers	-	Aramid fibers	
	Strand/structure	Fiber type	119x0.30 mm/ 29AWG	OM3 9/125 μm
	Material		Annealed red copper	
		Flame resistant PVC insulated	Tight (silicone+nylon)	

