



BROADCAST FIBER OPTIC SOLUTIONS

Complex SMPTE Hybrid Internal Distribution Fiber Optic Breakout Cables

Inline Complex SMPTE Breakout Cables Provide Simple Integration

Complex SMPTE hybrid cables deliver a simple all-in-one solution for breaking out SMPTE 311M to separate optical and electrical connections. This composite cable integrates power line for TV camera, control line, and optical fiber for video and audio transmission and is standardized by SMPTE for HDTV Broadcast camera use.

Featuring ultra-precision LEMO certified machine polished fiber contacts for the most demanding applications for high-speed uncompressed HD video transmissions over long distances.

Cables consist of two singlemode optical fibers, four 20 AWG, and two 24 AWG tinned copper conductors cabled around a steel strength element, with an overall tinned copper braid.

Features

- SMPTE 311M and 304M compliant
- Premium Belden super flexible US SMPTE broadcast cable
- Lemo and Senko Connectors
- UPC machine polished to SMPTE 304M/311M standards.
- Stainless steel assemblies
- Rubber dust caps
- 19.4 Mbps to 3 Gbps transport
- Electrical assemblies tested for continuity & shorts
- Fiber optic assemblies tested for attenuation & back reflection
- Documented low insertion & return loss
- Made in the USA

Options

- With or without power
- ST, SC, or LC connectors
- 6,10,15,25, 35, 50, 75 foot lengths



ST With Power



ST Without Power



Duplex LC with Power



Duplex LC without Power



We build custom opticalCON, tactical, SMPTE, and hybrid fiber cables in a COCA certified, and LEMO and Canare trained fiber shop with full repair services.

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Complex SMPTE Hybrid Deployable Inline Fiber Optic Breakout Cables

ORDERING GUIDE

Fiber With Power Breakout

HF -	Lemo Connector	Breakout Fiber Connector	Power Option	Breakout	Length (feet)
				-BO-	
	FUW	ST	1 = 5-Pin AMP CPC		006
	PUW	LC	2 = 8-Pin AMP CPC		010
	FMW	SC	3 = 6-Pin AMP Mate-N-Lok		015
	PBW		4 = Blunt Lead		025
			5 = 5-Pin Reverse Gender		035
			6 = 8-Pin RG Inline		050
			7 = 8-Pin RG Chassis		050
			8 = 6-Pin RG Mate-N-Lok		075

Lemo Connector Options



Example Part

HF - P U W S T 4 - B O - 0 0 6

Lemo Connector: P U W
 Fiber Connector: S T
 Power: 4
 Breakout: B O
 Length in Feet: 0 0 6

Fiber Only Breakout

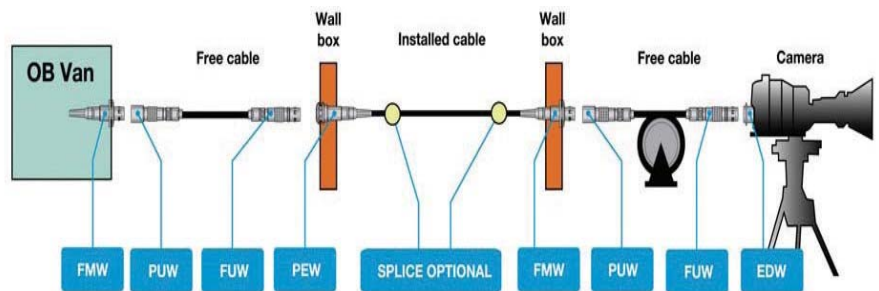
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	FUW	ST		006
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	PBW			025
				035
				050
				075

Example Part

HF - F M W L C - B O - 0 7 5

Lemo Connector: F M W
 Fiber Connector: L C
 Breakout: B O
 Length in Feet: 0 7 5

Lemo Outside Broadcast Van Workflow



Lemo Stadium Workflow

