



OPTICAL FIBER 4K VIDEO CABLE REEL



- 4-channel multimode OM3 fiber with double internal Kevlar protection.
- Military coating MIL-C85045 Ø 8.00 mm.
- Helical flexible metal frame and watertight distributor fanout at the outlet.
- Intuitive RGBY multicolor code with LC connectors.
- Mechanical and environmental tests according to IEC 60794-1-21.

REFERENCES

Code	Length / Resolution	Cable Reel
R-FIBER-01/100	100 m 4K	GT 380
R-FIBER-01/150	150 m 4K	HT 385
R-FIBER-01/200	200 m 4K	HT 385
R-FIBER-01/300	300 m 4K	HT 485
R-FIBER-01/400	400 m 4K	HT 485

DESCRIPTION

Supported Signals / Maximum Length

SDI 12G/4K UHD
400m

3840 X 2160 - 60fps
(RGB 4:4:4 12Gbps)

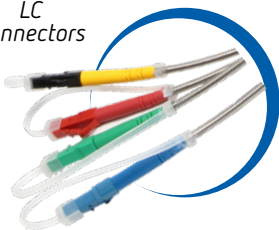
HDMI 2.0/4K DCI
400m

4096 X 2160 - 60fps
(HDR, HDCP 2.2, RGB 4:4:4 18Gbps)



- High signal propagation speed and minimum attenuation.
- 2m of cable (included in length) on the front.
- Cable holder with a soft and ergonomic handle accompanied by an elastic band for its transport.
- Front closing door with crank for easy winding and locking brake at the rear.
- Assembly carried out by experienced personnel and individually tested, ensuring perfect operation.

LC Connectors



Metallic armor
flexible helical
+ watertight Fanout



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CONVERTERS FIBER OPTIC TO SDI

The **3G SFP transceiver** offers a maximum resolution of **1920x1080 at 60Hz** up to 500m.

The **6G SFP transceiver** offers a maximum resolution of **3840x2160 at 30Hz** up to 500m.

The **12G SFP transceiver** offers a maximum resolution of **3840x2160 at 60Hz** up to 500m.



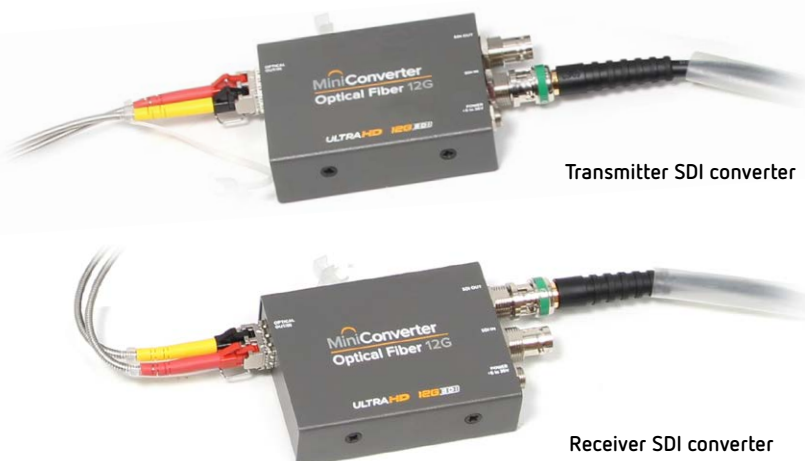
BlackMagic SDI Converter

The connection of the optical fiber to the BlackMagic SDI converter must be carried out through these steps:

1. Connect the camera to the INPUT of the SDI converter that will send the signal via BNC cable.
2. Choose 2 LC channels from one end of the fiber (regardless of color) and connect them to the SFP transceiver of the SDI converter that will send the signal and in the preferred input order.
3. Take those same 2 LC channels and chosen colors from the other end of the fiber and connect them to the SFP transceiver of the SDI converter that will receive the signal but reversing the input order.
4. Connect the screen to the OUTPUT of the SDI converter that will receive the signal via BNC cable.

EXAMPLE:

- In the SDI converter that outputs the signal:
RED LC connector (input 1 SFP transceiver)
YELLOW LC connector (input 2 SFP transceiver)
- In the SDI converter receiving signal:
YELLOW LC connector (input 1 SFP transceiver)
RED LC connector (SFP transceiver input 2)



This optical fiber is MultiMode and 100% compatible with MultiMode or MonoMode converters.

BlackMagic's fiber optic to SDI converters are SingleMode and bidirectional. They can function as signal transmitters or receivers.

They have SDI input and output simultaneously and work with 2 Fiber channels (LC Terminals).

They are 12G and offer a maximum resolution of 3840x2160 at 60Hz limited by the chosen SFP transceiver.