Adaptive USB-C 3.2 Gen2 Active Optical Cable - 15M

4-Lane DP 2.1 | USB 3.2 10Gbps | PD 60W | Adaptive Mode | 3-Year Warranty

MPN: CBL-AOCUSBC-15M

KanexPro Adaptive USB-C 3.2 Gen2 Active Optical Cables are the first full-featured USB-C AOC solution that simultaneously delivers DisplayPort video, USB 3.2 10Gbps data, and PD 60W charging over runs of 5, 10, or 15 meters. An embedded switching chip automatically selects the optimal lane configuration — no firmware, no configuration, completely plug-and-play.

In 2-lane mode: DP 1.4 video + USB 3.2 Gen2 10Gbps data + PD 60W charging simultaneously. In 4-lane mode: DP 2.1 (4-lane) for maximum display bandwidth + USB 2.0 + PD 60W. GGP fiber construction gives a 10mm static and 20mm dynamic bend radius with 5-core optical + 12-copper hybrid in a 6.5mm diameter cable — EMI-immune, flexible, and backward compatible with USB 2.0/1.1. Backed by KanexPro's 3-year warranty.

Adaptive Mode	PD 60W	8K@60Hz	10Gbps USB	3-Year Warranty
Auto-selects 4-lane DP 2.1 or 2-lane DP 1.4 with USB 3.2	Charging in both modes at 20V/3A	Over 4-lane DP 2.1	USB 3.2 Gen2 data in 2-lane mode	Plug and play, no firmware

KEY FEATURES

- Adaptive mode auto-selects 4-lane DP 2.1 + USB 2.0, or 2-lane DP 1.4 + USB 3.2 10Gbps
- PD 60W (20V/3A) charging in both modes
- DP 2.1 4-lane: up to 8K@60Hz or 4K@144Hz; DP 1.4 2-lane: up to 4K@60Hz
- USB 3.2 Gen2 10Gbps data in 2-lane mode; backward compatible with USB 2.0/1.1
- GGP fiber: 10mm static / 20mm dynamic bend radius, 6.5mm OD
- 5-core optical + 12-copper hybrid; EMI/RFI immune
- Plug and play: no firmware, no configuration; zinc-alloy connector shell
- 15 meters (49 ft.) with 3-year warranty

SPECIFICATIONS

Type	USB-C 3.2 Gen2 Full-featured AOC
4-Lane Mode	DP 2.1 + USB 2.0 + PD 60W
2-Lane Mode	DP 1.4 + USB 3.2 10Gbps + PD 60W
Max Resolution	4-Lane: 8K@60Hz | 2-Lane: 4K@60Hz (HBR3)
Max Transfer Rate	10Gbps (USB 3.2 Gen2, 2-lane mode)
Power Delivery	PD 60W (20V/3A)
Cable Length	15 meters (49 ft.)
Connector	USB-C Male (both ends), zinc-alloy shell
Cable Structure	5-core GGP optical fiber + 12 copper conductors
Cable Diameter	6.5mm
Attenuation	Less than 0.0035dB/m
Bend Radius (Dynamic/Static)	20mm / 10mm