# Adaptive USB-C 3.2 Gen2 Active Optical Cable — 5M

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

**MPN: CBL-AOCUSBC-05M**

**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.

GGP (Glass-coated Graded-index Polymer) fiber construction enables a 2mm static bend radius with 5-core optical + 12-copper hybrid construction in a 6.5mm diameter cable — EMI-immune, flexible enough for tight cable management, and backward compatible with USB 2.0/1.1 devices. Backed by KanexPro's 3-year warranty.

| Adaptive | DP 2.1 | PD 60W | GGP Fiber | 3-Year |
|---|---|---|---|---|
| 2-Lane or 4-Lane Auto | USB 3.2 10Gbps | 20V / 3A Charging | 2mm Bend Radius | KanexPro Warranty |

## KEY FEATURES

- Adaptive mode: auto-selects 4-lane DP 2.1 + USB 2.0, or 2-lane DP 1.4 + USB 3.2 10Gbps based on device needs
- PD 60W (20V/3A) charging in both modes — video, data, and charging simultaneously
- DP 2.1 (4-lane) supports up to 8K@60Hz or 4K@144Hz; DP 1.4 (2-lane) up to 4K@60Hz
- USB 3.2 Gen2 10Gbps data transfer (2-lane mode); backward compatible with USB 2.0/1.1
- GGP fiber — 2mm static / 20mm dynamic bend radius; 5-core optical + 12-copper hybrid; 6.5mm OD
- EMI/RFI immune; attenuation <0.0035dB/m; pull resistance 100N/200N; pressure 200N/400N
- Plug and play — no firmware, no configuration; zinc-alloy connector shell; 0–50°C operating

## SPECIFICATIONS

| | |
|---|---|
| **Type** | USB-C 3.2 Gen2 Full-featured AOC |
| **Adaptive Modes** | 4-Lane: DP 2.1 + USB 2.0 + PD 60W • 2-Lane: DP 1.4 + USB 3.2 10Gbps + PD 60W |
| **Cable Length** | 5M (16 ft.) |
| **Max Resolution** | 4-Lane: 8K@60Hz • 2-Lane: 4K@60Hz (HBR3) |
| **USB Data Rate** | 10Gbps (USB 3.2 Gen2, 2-lane mode) • USB 2.0 (4-lane mode) |
| **Power Delivery** | PD 60W (20V/3A) |
| **Connector** | USB-C Male (both ends) • Zinc-alloy shell |
| **Cable Structure** | 5-core GGP optical fiber + 12 copper conductors |
| **Cable OD** | 6.5mm |
| **Bend Radius** | 20mm dynamic • 10mm static |
| **Attenuation** | <0.0035dB/m |
| **Pull Resistance** | 100N continuous • 200N short-term |
| **Temp** | 0~50°C operating • -40~70°C storage |

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