

Data sheet



Features

- 8K/60Hz transmission: Brilliant image quality up to 50m.
- 32 Gbps high-speed: Maximum data rates guaranteed.
- Extremely robust: steel reinforcement and Kevlar mesh for protection against pressure and rodents.
- Durable: Robust metal connectors for harsh operating conditions.



Description

The steel-armored DisplayPort AOC cable combines optical fiber and copper for excellent performance over long distances. With steel armor and Kevlar braid, it resists compression, tension, and rodent damage. It transmits 8K video at 60 Hz up to 50 meters and supports data rates up to 32 Gbps. Robust metal connectors provide additional protection.

Connections

Connection 1	DisplayPort Plug (Source)
Orientation 1	180°
Shielding 1	Shielded
Case 1	Metal
Case color 1	Dark grey
Connection 2	DisplayPort Plug (Display)
Orientation 2	180°
Shielding 2	Shielded
Case 2	Metal
Case color 2	Dark grey
Contact material	Gold-plated



Cable	
Typ	Round Cable
Inner conductor material	Fiber optic/copper
Outer jacket material	TPU
Outer diameter	6.0±0.2mm
Color outer jacket	black

Signal transmission	
Standard	DisplayPort 1.4
Transmission type	Digital Audio and Video Signals
Bandwidth	Up to 32 Gbps
Resolution	up to 7860 x 4320
Color space	4:4:4, 4:2:2 and 4:2:0
Audio standard	Up to 32 audio channels for speakers / Up to 1536 kHz audio sampling rate

Standards	
Approval	HBR3, HDCP 1.4/2.2
Compliance	RoHS Reach CE FCC
Temperature range	+0°C ~ +50°C



Item No.	Length	Tolerance	EAN
DP-AAOC-10,0M-2	10.0 m	+200/-200 mm	4260310263854
DP-AAOC-15,0M-2	15.0 m	+300/-300 mm	4260310263885
DP-AAOC-20,0M-2	20.0 m	+300/-300 mm	4260310263892
DP-AAOC-30,0M-2	30.0 m	+400/-400 mm	4260310263908
DP-AAOC-50,0M-2	50.0 m	+1000/-1000 mm	4260310264004
DP-AAOC-100,0M-2	100.0 m	+1000/-1000 mm	4260310269863

