

DisplayPort 1.4 AOC

The SDFC-1400 active optical DisplayPort 1.4 cable transmits uncompressed audio and video signals up to 100m distance. It's designed for professional applications. It handles full 32Gbps bandwidth with supreme 24/7 reliability while providing simple plug and play usability. It contains both fiber optic and copper cores, is lightweight, flexible and has a un ultra-small bend radius.

With it's advanced optical engine the DisplayPort hybrid cable provides full DisplayPort signal integrity and supports transparent EDID, HDCP and DPCP as well as zero frame delay, no latency, no compression. Connect and perform.

Applications

Digital Signage
LED signboards in streets and in stadiums
Medical Imaging Equipment
Airplane On-board Video System
Home Theater
Blue-ray, 3D video, Projector, Set-up box, DVR, Game Consoles and Computer
TV Broadcast Statio
Conference Room Video Equipment
Security systems



Key Features

4K signal transmission for up to 100m
"Active-Optical-Cable" - Fiber / Copper Hybrid
Full HDCP 2.2 / EDID / CEC / 5V support (no HEAC)
Including transmission of digital audio signals
Many pre-assembled lengths available: From 10m to 100m

Signal Transmission

Transmission modes	Digital audio and video signals
Standard	DisplayPort 1.4, HBR2, HDCP, EDID
Bandwidth	32Gbps
Resolution	Up to 8k@60Hz/4k@120Hz/UltraHD/ 2160p(4096x2160)@60Hz, 4:4:4
Supported audio	Up to 8 channels with 16 or 24 bits linear PCM 32 to 192 kHz sampling rates

Connections

Connector material	Die cast zinc alloy
Contact material	24 carat gold plated
Shielding	Triple shielded (Fiber / Copper Hybrid)
Connector 1	DisplayPort male
Connector 1 dimensions	45 x21 mm
Connector 2	DisplayPort male
Connector 2 dimensions	45 x21 mm

Cable

Type	Round cable, Hybrid cable
Inner conductor material	4x OM3 fiber and 7x Copper wire
Outer sheath material	High flexible PVC
Outer sheath diameter	4.8mm
Bend radius	20mm
Pulling strength	10kg

Additional

Certificates	CE, FCC, ROHS
Warranty	2 years
Operating Temperature	0°C – 75°C
Storage Temperature	-20°C – 70°C
Rel. Humidity	10% - 85% RH
Power supply	No external power required (draws current from source)
Power consumption	0.25 W (max)

Cable Plug Drawing:

