



### FEATURES:

- DisplayPort Male 1.4 – Male 1.4 Active Optical Cable
- DisplayPort 1.4/HBR3, HDCP 1.4/2.2
- 8.1Gbps per lane (32.4Gbps total)
- 8K Resolution @ 60Hz
- EDID, HDCP 1.4 & HDCP 2.2
- Available in 4 different lengths



### DESCRIPTION:

These DisplayPort 1.4 Active Optical Cables (AOC) are an excellent way to enjoy the full bandwidth of DisplayPort without the length limitations of existing Passive DisplayPort cables. Active Optical Cables (AOC) offer the highest protection against signal attenuation, allowing much longer cable runs. The best fibre optic active DisplayPort cables can run up to 100m and still maintain the DisplayPort cable standards. These cables are constructed from fibre optic cable, it eliminates Electromagnetic and Radio Frequency Interference (EMI and RFI). Typical Applications for use of these cables are, Digital Signage, Aircraft Video Systems, Security Systems, Home Theatre, Conference Room and Medical Imaging.

### SPECIFICATIONS:

Standards Compliance: DisplayPort 1.4 / HBR3, HDCP 1.4/2.2

Maximum Pixel Clock Frequency: 810MHz

Maximum Video Bit Rate: Supports up to 8.1Gbps per lane, 32.4Gbps total.

Maximum Colour Depth: 48bits

Maximum Supported Resolutions: 8K@60Hz

DisplayPort Input/Output: 20-pin DisplayPort

Power: No external power supply is required

AUX Channel Communications: Supports bidirectional communications for EDID, HDCP, Link Training etc.

HDCP Support: HDCP 1.4 and HDCP 2.2

Optical Technology: 4x Discrete Optical Channels, 10GHz, 850nm

Optical Transmitter: Tx Module: 4x850nm Multi Mode VCSELs

Optical Receiver: Rx Module: 4x GaAs PIN Photo Diodes

Fibre Cable Type: Hybrid cable 4x fibre and 8x copper wire

Cable jacket: LSOH

Maximum Cable Length: 100meters

Maximum Tensile Load: 300N

Minimum Bend Radius: 48mm

Cable Outside Diameter: 4.8mm

### ORDERING INFORMATION:

Part Code	Description
32-3730	10m DisplayPort Male 1.4 – Male 1.4 AOC Active Optical LSOH Cable
32-3731	15m DisplayPort Male 1.4 – Male 1.4 AOC Active Optical LSOH Cable
32-3732	20m DisplayPort Male 1.4 – Male 1.4 AOC Active Optical LSOH Cable
32-3733	30m DisplayPort Male 1.4 – Male 1.4 AOC Active Optical LSOH Cable
*** Other lengths are available. Please contact our sales team for more details	