

DisplayPort Series

DisplayPort 1.4

Active Optical Cable



Chromis DisplayPort 1.4 active optical cables (AOCs) deliver 8K30Hz uncompressed, 8K60Hz DSC or 4K120Hz video with zero-latency up to 100m(330ft). Requiring no external power, Chromis DisplayPort 1.4 AOCs support an aggregate data rate of 32.4Gbps with low power consumption, and immunity from EMI/RFI – all in a simple, hot-swappable, easy-to-install, plug-and-play solution.

- ▶ Supports 8K30Hz / 8K60Hz DSC video
- ▶ Plug-and-play and hot-swappable
- ▶ No external power required
- ▶ Plenum rated (CMP-OF/FT6) jacket
- ▶ Thin and flexible – 7.5mm (0.3”) bend radius
- ▶ Bend-insensitive glass optical fiber
- ▶ Bulk cable designed & manufactured in the USA

Product specifications



Resolution Support: 8K/60Hz/4:4:4 HDR (DSC)
8K/30Hz/4:4:4 HDR (uncompressed)
4K/120Hz/4:4:4 HDR (DSC)

Data Rate: Up to 32.4Gbps (8.1Gbps/channel)

Power Consumption: 330mW (8m-15m)
500mW (23m-50m)
660mW (60m-100m)

Operating Temp.: 0°C to 50°C

Content Protection: HDCP 2.2

Safety Rating: UL/CUL CMP-OF/FT6

Maximum Length: 100m (328ft)

Maximum Tensile Load: 45kg (100lbs)

Cable Type: Glass optical fiber and copper

Cable Dimensions: 5.1mm x 3.1mm (0.2in x 0.1in)

Minimum Bend Radius: 7.5mm (0.3in)

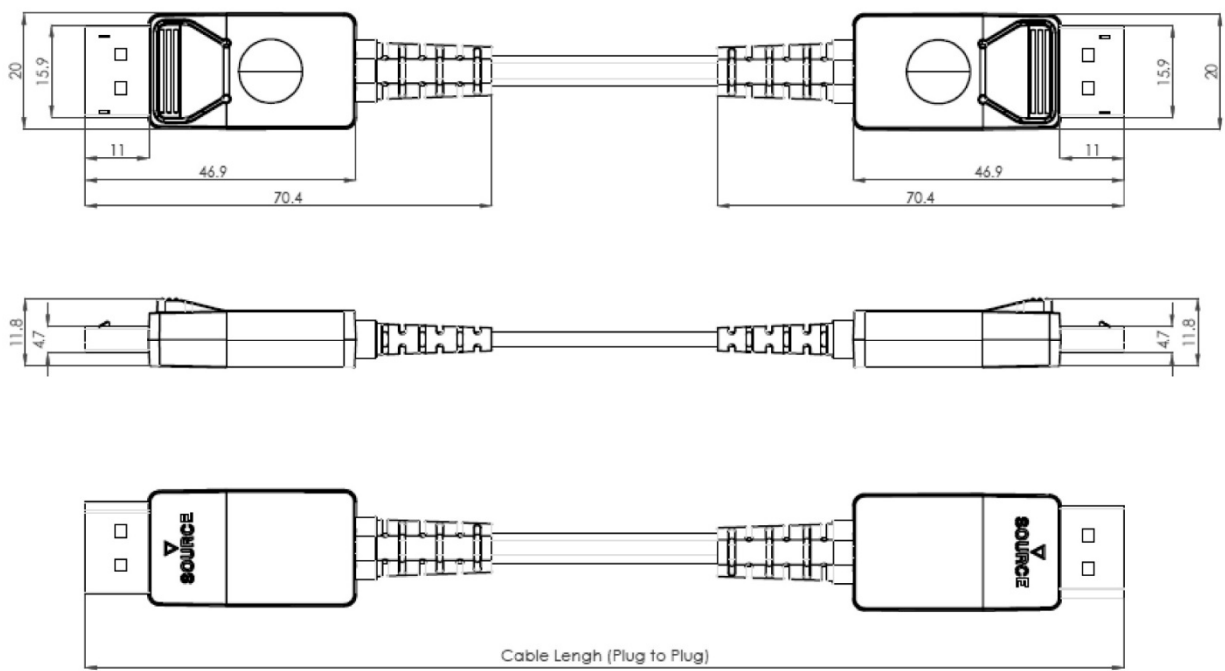
Warranty: 3 years

Connectors: 20 pin Male DisplayPort



CHROMIS
TECHNOLOGIES

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Ordering Information

LENGTH	PART NUMBER / SKU	DESCRIPTION
8m / 25ft	AOC-DP1.4-R-OBXP-G08M	DisplayPort 1.4 AOC with CMP-OF/FT-6 jacket
10m / 33ft	AOC-DP1.4-R-OBXP-G10M	DisplayPort 1.4 AOC with CMP-OF/FT-6 jacket
15m / 50ft	AOC-DP1.4-R-OBXP-G15M	DisplayPort 1.4 AOC with CMP-OF/FT-6 jacket
23m / 75ft	AOC-DP1.4-R-OBXP-G23M	DisplayPort 1.4 AOC with CMP-OF/FT-6 jacket
30m / 100ft	AOC-DP1.4-R-OBXP-G30M	DisplayPort 1.4 AOC with CMP-OF/FT-6 jacket
50m / 164ft	AOC-DP1.4-R-OBXP-G50M	DisplayPort 1.4 AOC with CMP-OF/FT-6 jacket
70m / 230ft	AOC-DP1.4-R-OBXP-G70M	DisplayPort 1.4 AOC with CMP-OF/FT-6 jacket
100m / 328ft	AOC-DP1.4-R-OBXP-G100M	DisplayPort 1.4 AOC with CMP-OF/FT-6 jacket