



CHROMIS
FIBER OPTICS

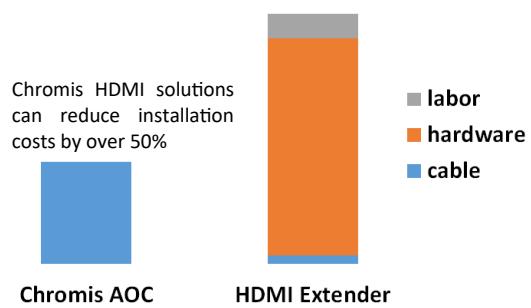
Reference Series HDMI 1.4
Active Optical Cables

Optical performance with the simplicity and cost of copper? Believe it. Chromis next-generation active optical cables bring the benefits of fiber optic technology to low-cost, long-reach HDMI connections.

In the past, installers wanting a simple way to connect HDMI sources to displays over longer distances – 10 meters (33 feet) or more – have had limited options. Long passive copper cables are thick, heavy, and inflexible, making them difficult to pull through tight spaces. Copper cables using active electronics reduce the bulk, but still top out at under 23 meters (75 feet). The typical solution for longer HDMI links has been a complex combination of extenders and network cable, requiring external power sources and costly field termination.

Instead, Chromis patented polymer fiber technology enables high-speed HDMI signal transmission in a plug-and-play cable at distances up to 30 meters (98 feet). Active components in the connectors perform electrical-to-optical signal conversion, drawing power from the same standard HDMI ports as copper cables – no external power connectors or HDMI extenders needed.

Long HDMI Link Installed Cost Comparison



Chromis plastic optical fibers can sustain very tight bends indefinitely, with no loss of signal, unlike glass optical fibers. Our cable is thin, light and flexible with smaller connectors to make it especially easy to pull through conduit and connect to wall boxes and other devices in shallow spaces.

UL/CUL-listed and plenum/FT-6 rated, you can be sure our HDMI cables comply with the latest safety standards.

A simple, practical solution for ultra high-definition A/V distribution in conference rooms, classrooms and lecture halls, churches, digital signage and many other commercial applications, our long HDMI cables provide optical performance at the price and simplicity of copper, giving the professional installer a complete connectivity solution at a lower total cost.



Product Specifications

Supported Resolution	4K/60Hz/4:2:0
Data Rate	Up to 10.2 Gbps
Power Consumption	Less than 500 mW
UL/CUL Listing	CMP-OF/FT-6
Operating Temperature Range	0°C to 50°C
Cable Dimensions	5 mm x 2.8 mm
Video Connectors	Male HDMI A-to-A
Maximum Length	30 meters (98 feet)
Maximum Tensile Load	45 kg (100 lbs)
Minimum Bend Radius	5 mm

HDMI™
HIGH DEFINITION MULTIMEDIA INTERFACE

((HDCP))

www.chromisfiber.com

6 Powder Horn Drive, Warren, NJ 07059
sales@chromisfiber.com 732-764-0900