



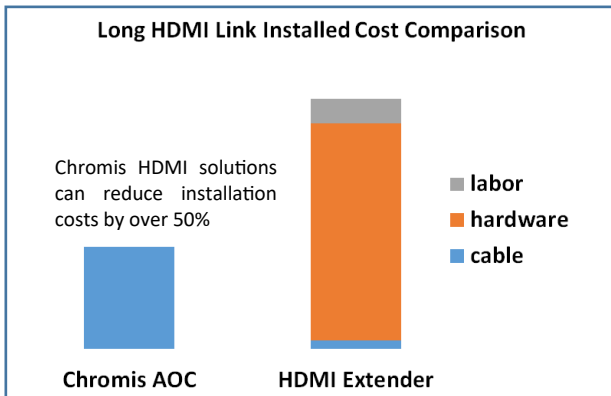
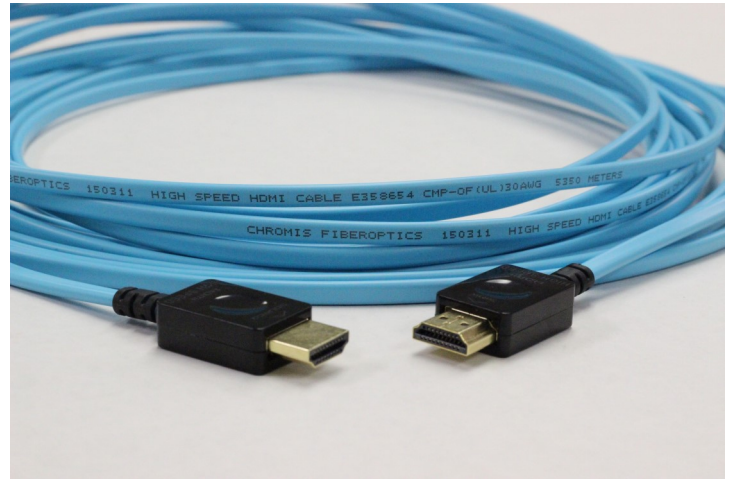
# CHROMIS FIBEROPTICS

## Salus Series HDMI 2.0 Active Optical Cables

**Chromis GigaPOF® Salus Series HDMI 2.0 active optical cables deliver 18 Gbps data transmission with low power consumption and minimal EMI/RFI for noise-free video and audio in a simple, easy-to-install, plug-and-play package.**

In the past, installers wanting a simple way to connect HDMI sources to displays over longer distances – typically 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). These problems have become more acute as data rates move to 18 Gbps with the HDMI 2.0 specification. The usual solution for longer HDMI links has been a complex combination of extenders and network cable or optical patch cords, requiring external power sources and costly field termination.

Instead, Chromis patented polymer fiber technology enables high-speed HDMI signal transmission 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.



Unlike typical glass optical fibers, Chromis GigaPOF® polymer optical fibers can sustain very tight bends indefinitely, with no loss of signal. Our active optical cable is thin, light and flexible, with smaller connectors to make it easier to pull through conduit, and connect to wall boxes and other devices in tight, shallow spaces.

Available with plenum (U.S.), FT6 (Canadian) and LS0H (European) ratings, you can be sure our HDMI cables comply with the latest safety standards for your region.

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/4:4:4
Data Rate	Up to 18.0 Gbps
Power Consumption	Less than 500 mW
UL Listing	CMP-OF, FT6, LS0H
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



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**CHROMIS**  
F I B E R O P T I C S

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## LS0H Details — Fire and Smoke Test Properties

Flammability temperature index °C (ISO 4589-3): >350

Halogen acid gas evolution % (IEC 60754-1): Zero

Corrosivity of gases (IEC 60754-2):

pH 5.4

Conductivity  $\mu\text{S}/\text{mm}$  3.8

Smoke Index 5.0 (DEF STAN 02-711)

Toxicity Index 4.6 (DEF STAN 02-713)