

HDMI and Wire Harness Products



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Powering Your Products

HDMI Portfolio

HDMI / DP / USB / DVI / VGA / PATCH CORD



**HDMI AOC 2.0/2.1
DP-HDMI / C-HDMI AOC**



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HDMI D-D AOC 2.0/2.1
DP/MINI DP 1.4 & 2.0 AOC
USB 3.1/3.2 AOC



HDMI AOC 2.0/2.1



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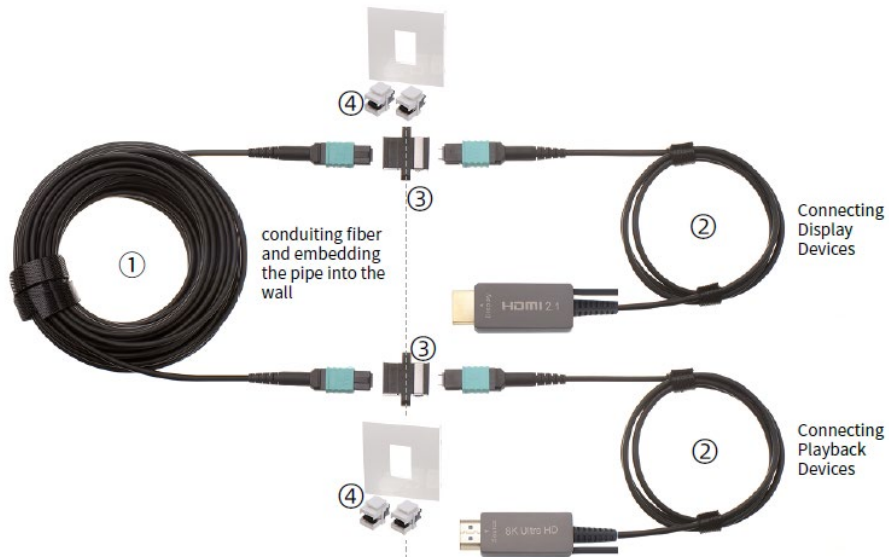
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HDMI Portfolio

FULL OPTIC HDMI 2.1 KITS

The Full Optic HDMI Kits are composed of

- ① MPO-MPO optic cable(OM3), LSZH+interior armored jacket, customized length (1 pc)
- ② MPO-HDMI 2.1 optic connector cable, 1m (1 pair, TX+RX)
- ③ MPO coupler (1 pair)
- ④ Keystone jack to install MPO coupler (1 pair)

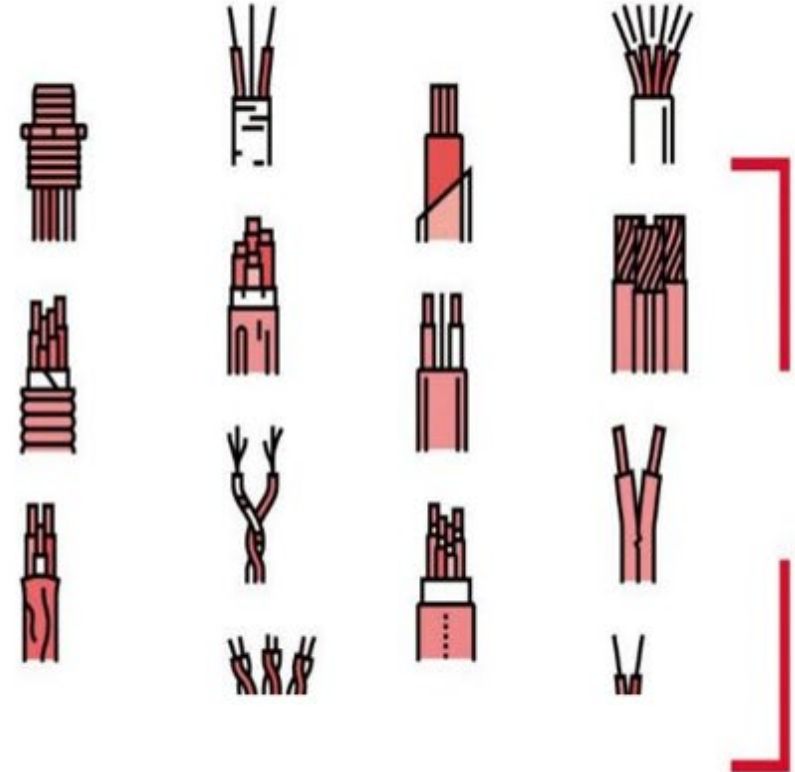
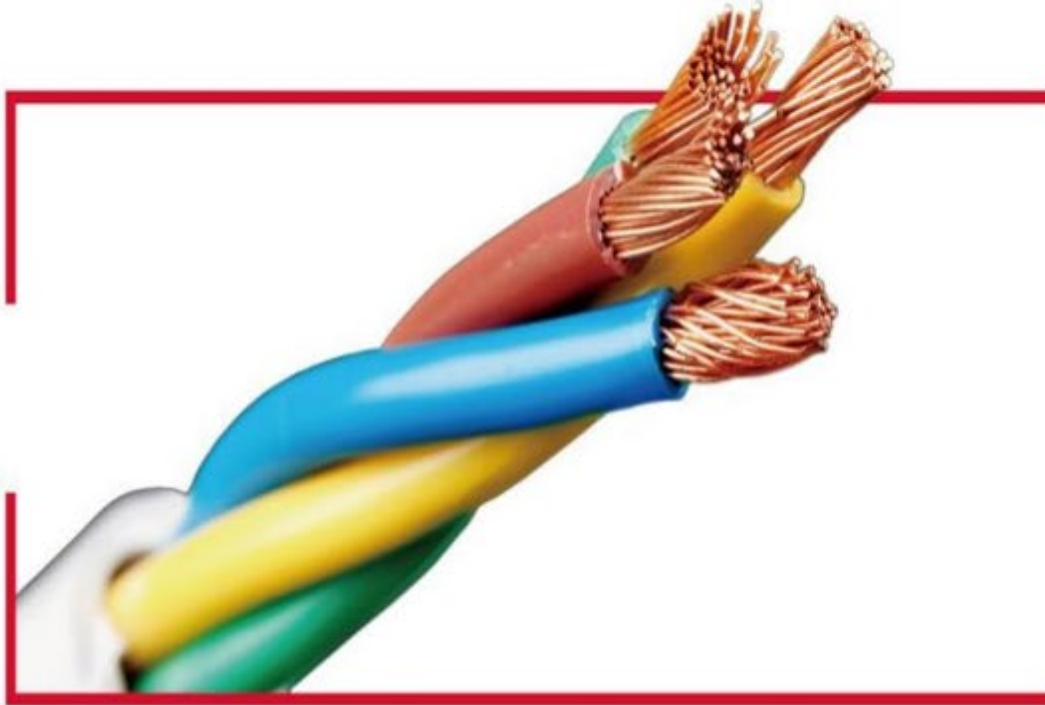


HDMI2.0 Optical Transceiver



HDMI2.0 fiber optic transceiver, is the transmission of HDMI2.0 transmission equipment with fiber optic transmission, in order to solve the traditional equipment in the transmission of HDMI signals, especially long-distance transmission, often image mosaic, color distortion, can not be transmitted and other issues and design, but also designed for the network flat-panel displays and large-screen curtain wall displays advertising projects, industrial automation control, medical equipment, security monitoring, Multimedia teaching and other display system engineering in the high-quality HDMI video signal long-distance transmission needs and design. This transceiver is a multi-core MPO female - MPO female fiber optic cable (the user can specify the length of the cable, up to 550m) to connect the input (TX) and output (RX), HDMI signal conversion, drive, receive and restore the function of a signal transmission system. Compared with the traditional HDMI transmission, especially long-distance transmission using the extender or optical transceiver, this product has the advantages of stable transmission signal, easy installation, cost-effective and so on.

CUSTOMIZED CABLE SOLUTIONS FROM THE VERY BEGINNING



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Six Wire Harness Categories



- ISO 9001
- IATF 16949



- ISO14064-1
- ISO14001
- IECQ QC 080000
- SONY GP



- REACH
- RoHS 2.0



DC Power Cable



DC power cables are one of MEGA's signature products. From the ordinary DC jack or the latest USB Type C/A, DC Power Cables are the foundation of MEGA's Wiring Harness Portfolio.

Furthermore, with MEGA's vertical integration, we are able to provide special requirements like braiding, special colors, unique lengths, etc.

Customized Harnesses



Provided with a drawing or only a concept, MEGA is able to develop and make customized harnesses to meet your project needs.

Teflon Harness



Teflon wire can be used in wide temperature environments **(-50~250°C,)** which can be required in extreme environments, such as steel processing equipment. Shown left is a harness to be used on oil drilling equipment, where it is not possible to use ordinary PVC or Silicone wire. Wire can be tinned or silver plated for stable signal transmission.

Leak detection Harness



Specialized tinned copper wire twisted with nylon, also basalt fiber jacket for **leak detection** of server **cooling** liquid. This solution fulfills a requirement by performing in the harsh environment. MEGA has an expert engineering team for special wire/cable development.

Cable Assembly For Energy Storage Cabinet



This is a unique product, requiring the winding of cable through the ferrites to be done manually and evenly **to reduce the impact from EMI.**

Such types of solutions have been adopted for various energy storage applications.

Harness For Energy Storage Cabinet



Harnesses for energy storage cabinets. MEGA has been working with partners for developing similar solutions, which can be applied to energy storage products with large cables using specialized connectors.

Cable Assembly with UV Glue



In some applications, solutions require having smoothly aligned wires assembled to the terminal without overflow. To achieve this, MEGA invested in **automated glue machines**, which enable us to apply the glue evenly **without glue leaking** in comparison with manually glued cables.

Wire Harness with Nylon Braiding



Wire harnesses with nylon braiding are normally required in robotic solutions. Available in various lengths and configurations.

Thick Gauge Cable for energy storage solutions



Cable assemblies for thick gauge wire from 30 to **3/0 AWG**. Even though the cables are thick, our solutions do not sacrifice high flexibility through small strand sizes twisted to create the large OD conductor.

Harness for High Power Server



Such type of high power harnesses are required in high voltage and current ($\geq 600\text{V}$ with Resistance 100Ω) applications. With MEGA's expertise, we are able to manufacture the cable as well as test it in house.

Low Temperature Molded Harness



In addition to general over-molding MEGA also offers **low-pressure over-molding**. Low-pressure over-molding normally applies to the cable **with a PCB or IC** embedded and it helps to prevent PCB and IC damaged during the molding process.

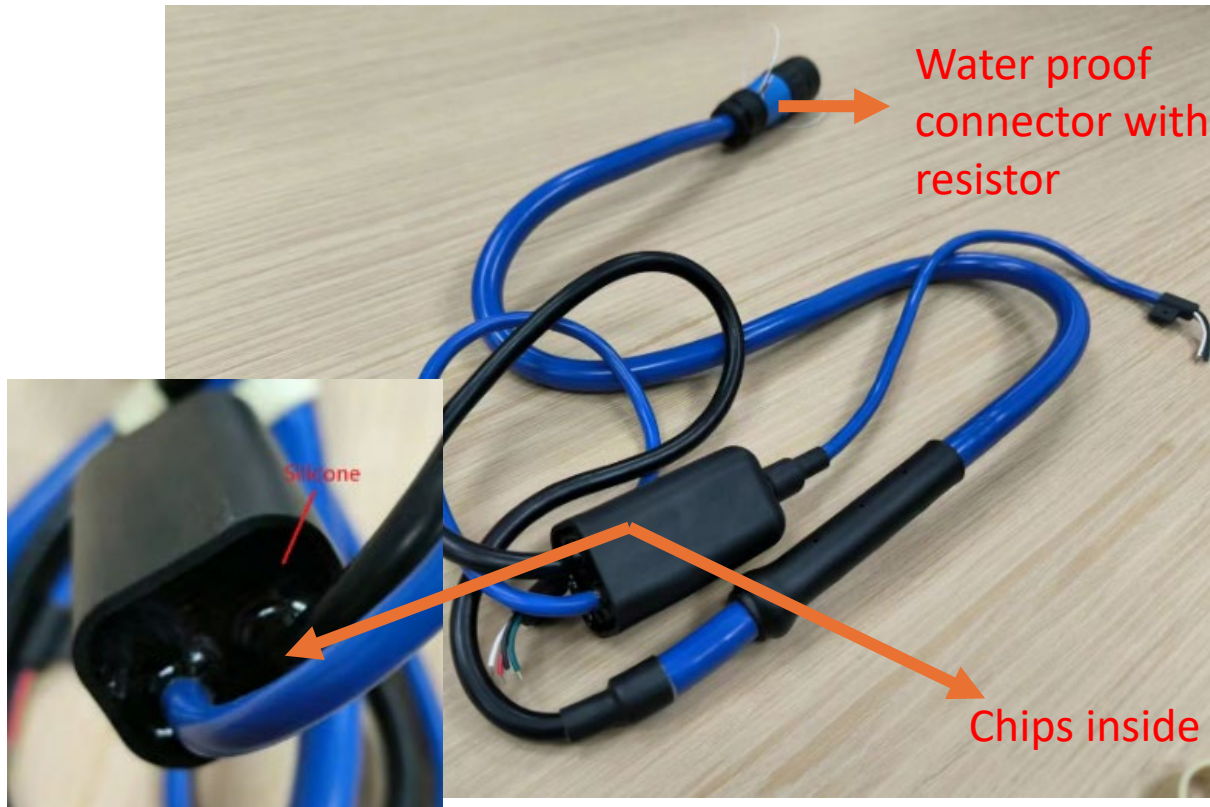


Molding Cable



To fulfill customer demand, we offer a low temperature/pressure molding process for splitting and protecting the wires inside the mold.

Water Proof Cable for Marine Applications



The key for making marine interconnecting cables is waterproof or watertight over molds.
As a PCB is assembled with the cable, we add a **molded** box outside- **silicone sealed** in order to prevent penetration from water. Assembly of a waterproof plug to the cable is also available.

Harness Assembly with Water Resistant Plug



Cable assembly with water resistant plug. Pen end can have terminals crimped.

Automotive Wiring Harness



Automotive wiring harness with water resistant plugs can be Manufactured to **IATF 16949** with certification. We are capable of manufacturing automotive wiring harness and cable assemblies.

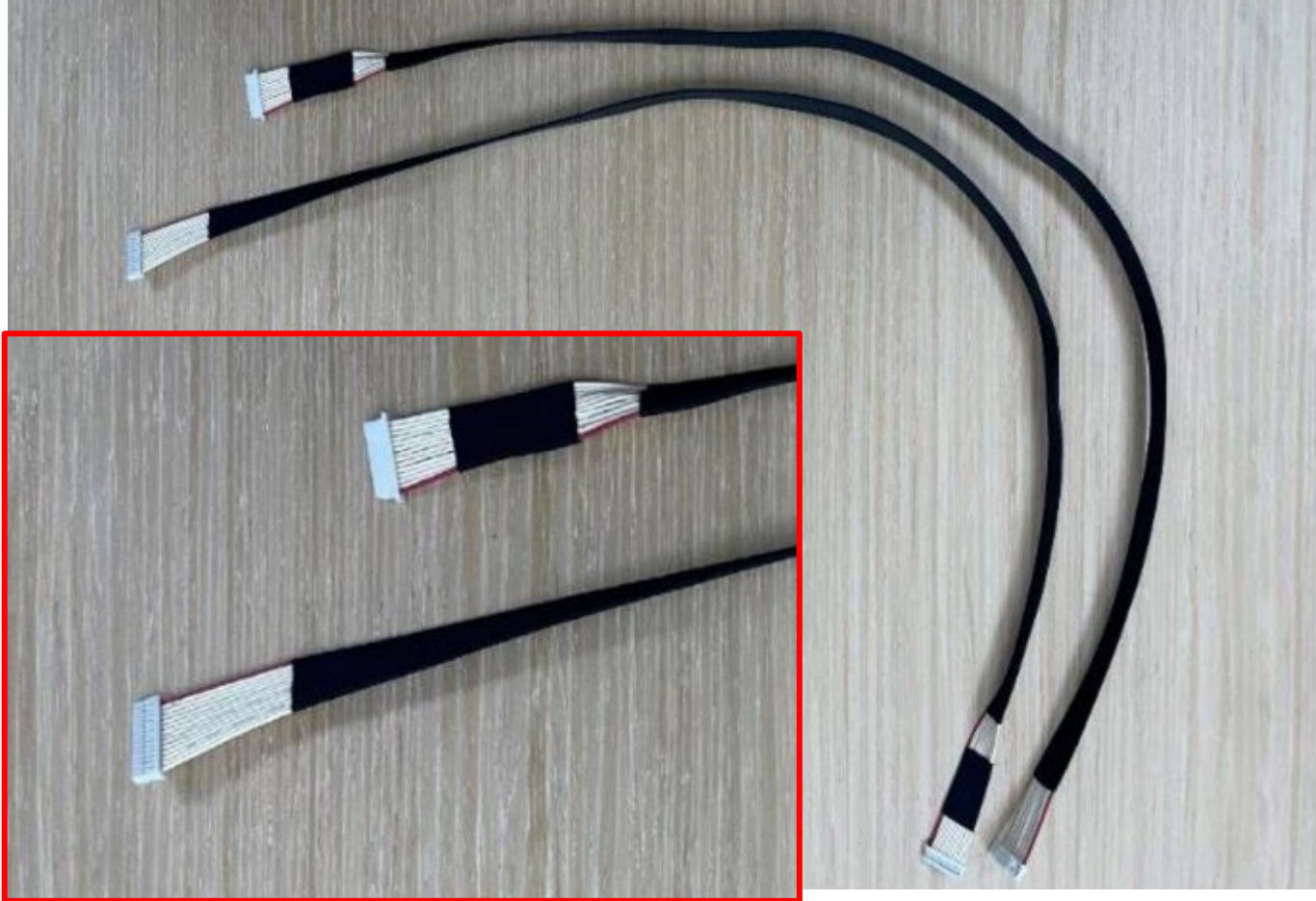
Harness Assembly with LED



In addition to cables assembled with connectors/terminals, MEGA is able to manufacture cables with electronic parts such as an **LED on the cable**. Other components like **capacitors, resistors, etc.** can be also assembled per request.

Flat Shaped Wire Harness

Not Flexible Flat Cable (FFC)



Heat shrink tubing causes the wires to overlap each other, forming a circular shape. MEGA provided a solution by using fixtures to overcome the problem customers required, ensuring the wires remain flat even after using heat shrink tubing and reducing required mechanical space.

USB Molding Cable



Molding cable with ferrite core, AL-MYLAR & braiding double shield for better EMI insulation.

We welcome your inquiry

Reach us at 732-249-2656
sales@megaelectronics.com
4-B Jules Lane
New Brunswick, NJ 08901

www.megaelectronics.com



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