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PRESS RELEASE

Camarillo, CA, 23-09-11

Standard data protocols in harsh environments Tested quality of ODU cable assemblies

Camarillo, CA. ODU-USA. ODU looks back on a company history of more than 80 years and established itself early on as a globally active contact specialist with currently more than 2.600 employees - 1.400 of them at the main site in Mühldorf am Inn (Germany).

When exchanging information between different participants, communication protocols are the basis that define different framework conditions of data transfer. A distinction is made here between standardized network protocols such as TCP/IP and data transmission protocols such as HDMI® (High Definition Multimedia Interface) or USB® (Universal Serial Bus).

A reliable connection system is always an optimal interaction of three central components: connectors, termination technology and the right cable. A connector can meet the requirements of a specific customer application only in connection with the appropriate cable and a process-safe connection. If the connection system needs to achieve the desired transmission performance even under harsh conditions such as vibration, contamination or moisture, the corresponding standard interface plugs are not sufficient. ODU remedies this with qualified cable assemblies for standard protocols, which typically include an ODU connector at one end of the cable and a standard interface connector at the other. At ODU you get the complete solutions quickly available with 100% tested quality and any length (within the frame of standard-compliant signal transmission), and without any minimum purchase quantity. Likewise, other premium connectors can be integrated without any problems.



The data technology portfolio includes various circular and rectangular connectors for the following standard transmission protocols:

- Ethernet/IP®
- SPE
- USB®
- HDMI®
- DisplayPort®

In data technology, a tested system solution is the right choice, as the process-safe execution of the cable assembly is tested for the specific protocol in terms of transmission properties and signal integrity. Here ODU guarantees the reliability of the cable assembly. ODU ensures the simulation of the entire transmission system and provides complex solutions that achieve high performance in real life scenarios.

Any quantity and length

ODU offers qualified standard assemblies (see "Data Technology" catalog) starting at batch size 1 - rapid availability based on factory stocking.

The standard cable assembly is available in any length (within the limits of technical possibilities), so that customers do not have to limit themselves to predefined dimensions.

Advantages of the ODU cable assembly

Customers benefit from the following advantages with ODU data technology cable assembly:

- Proven quality of the complete solution (data rates, attenuation, signal integrity, etc.)
- Fast availability
- Fair pricing (incl. cost reduction vs. individual acquisition)
- Length neutrality
- No minimum purchase quantity
- Development of exclusive and customized interfaces (even for samples or small series)
- Simulations and inspections already in the early development phase
- Reduction of effort, as the supply chain is limited to one contact person and only one part number needs to be managed by the customer



The ideal combination enables the insertion of the connector systems in a wide variety of applications - whether as a standard version or as a customer-specific solution.

More information: <https://odu-connectors.com/technologies/data-technology/>

Link to the catalog: <https://odu-connectors.com/fileadmin/media/products/overarching/downloads/catalogue/odu-high-speed-datatechnology-cable-assemblies-catalogue-en.read.pdf>

ODU Group: global representation with perfect connections

The ODU Group is one of the world's leading suppliers of connector systems, employing 2,600 people around the world. In addition to its company headquarters in Muehldorf a. Inn (Germany), ODU also has an international distribution network, production and product development sites in Sibiu/Romania, Shanghai/China, Tijuana/Mexico and Camarillo/USA. ODU combines all relevant areas of expertise and key technologies including design and development, machine tooling and special machine construction, injection, stamping, turning, surface technology, assembly and cable assembly. The ODU Group sells its products globally through its sales offices in Austria, China, Denmark, France, Germany, Hong Kong, Italy, Japan, Korea, Romania, Sweden, UK and the US, as well as through numerous international sales partners. ODU connectors ensure a reliable transmission of power, signals, data and media for a variety of demanding applications including medical technology, military and security, automotive, industrial electronics, and test and measurement