

MULTI-FIBER CABLING SYSTEMS WITH MDC CONNECTORS

LWL-Sachsenkabel GmbH is expanding its portfolio with MDC connectors. The MDC VSFF connector is designed for high-density transceivers and is perfect to realize Base-8 cabling with transmission speeds of 400 Gbps.



LWL-Sachsenkabel GmbH is supplementing its portfolio of multi-fiber cabling systems with pre-assembled links equipped with MDC connectors (Miniature Duplex Connector) by US Conec. The compact VSFF connector (Very Small Form Factor) is designed for the future-oriented systems of high-density transceivers SFP DD (Small Form Factor Pluggable Double Density), QSFP DD (Quad Small Form Factor Pluggable Double Density) and OSFP (Octal Small Form Factor Pluggable), which are perfect for transmission rates of 400 Gbps. With its standardized 1.25 mm ceramic ferrule, it could become the standard connector at the transceiver interface. The MDC also fits perfectly in Base-8 cabling (100 Gbps per fiber and direction) for 400 Gbps lines: With four MDC connectors, eight-fiber-based transceivers can be easily connected. In active technology, Sachsenkabel provides patch cables for MDC cable lines and standard multi-fiber connectors in passive cabling. Optionally, MDC trunk cables can also be used.

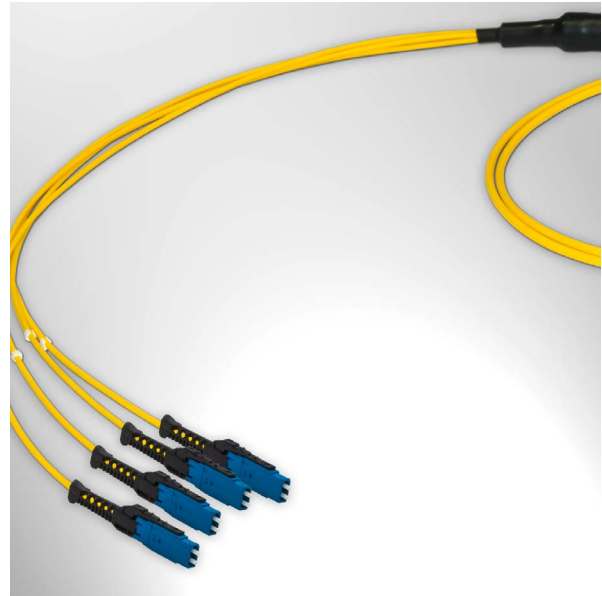


With the expansion of the portfolio with MDC cabling, Sachsenkabel reacts to the introduction of a new transceiver generation, which enables significantly higher bandwidths. In addition, the new connector allows for significantly higher packing density against the background of growing demand for structured cabling systems and, thus, better use of available space at data center patch points. In comparison with the successful SFF connectors (Small Form Factor), which include the established LC, VSFF connectors come up with even further reduced dimensions and correspondingly lower space requirements. Sachsenkabel is perfectly prepared for the assembly of such small-format fiberoptic connectors. As a brand-independent manufacturer with more than 15 years of experience in the data center sector, the company has already proven its competence in their long-term handling of SFF connectors such as URM NG P2 (with dimensions of only 6 x 8.6 mm).

In addition to the possibility of realizing high packing densities and its suitability for Base-8 cabling, the MDC also offers other positive features: well-thought-out locking and unlocking via flex-angle boot elements facilitates handling even at densely packed patch points. Polarity switch works flawlessly and is possible without tools. Another advantage: The fibers are not exposed while changing polarity, but remain permanently protected.

More information:

sachsenkabel.de/en/business-units-and-solutions/future-proof-data-center-cabling/



Trunk cable with 4 MDC connectors

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About Sachsenkabel

LWL-Sachsenkabel GmbH, headquartered in Gornsdorf/Ore Mountains and founded in 1991, is a company of the Amphenol Corporation and is one of the leading German manufacturers of fiber optic cabling systems. The focus of the business activities are fiber optic solutions for telecommunications, broadband development, data center, industry and broadcast as well as specialty optical fibers for demanding laser and spectroscopic applications. Sachsenkabel stands for high-quality and technologically pioneering solutions and has developed into one of the largest specialists for fiber optic assembly in Germany. The high capacity of connector assemblies per day enables flexible and fast realization of customer-specific quantities. Firmly integrated into the economic region of Chemnitz, the company today employs more than 100 highly qualified employees and supplies customers at home and abroad.