Lensed MT Ferrule-based Interconnect Reduces Optical Loss

Molex Incorporated introduced a high-density lensed MT ferrule-based interconnect designed to reduce optical loss resulting from dust contamination. Meeting the same dimensional requirements as standard MT ferrule interfaces, the Molex lensed 12-fibre MT ferrule contains 12 parallel micro-lens interfaces, optimized for 50/125 µm fibre applications. Standard MT ferrule interfaces transmit light across a 50/125 µm glass-fibre interface, making the interface susceptible to optical-performance degradation due to dust contamination. The Molex lensed MT connector is said to increase the optical path by five times, therefore limiting the transmission loss effects of the typical debris particle sizes found in optical connectors. Optical loss due to debris is significantly minimised, according to the company, ensuring a repeatable optical performance and quicker installation time.

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