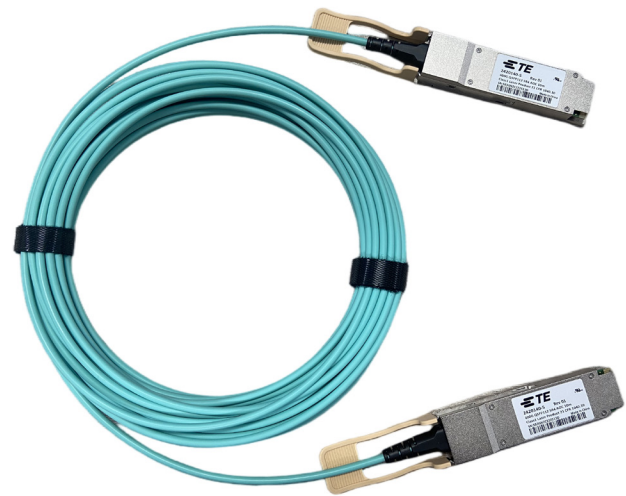


INTRODUCING

SFP, QSFP, QSFP-DD, OSFP ACTIVE OPTICAL CABLE ASSEMBLIES

- Comprehensive range of data rates and form factors
- Ease of installation
- Reduced power and latency
- Product Versatility



TE Connectivity's (TE) active optical cable assembly portfolio provides improved cable flexibility and longer reach, as compared to both traditional passive copper solutions and emerging active copper solutions, supporting high performance computing, data center and networking interconnect applications.

APPLICATIONS

- High-speed interconnects within and between switches, routers and transport equipment
- High Performance Computing
- Server-Server Clusters (AI/ML)
- Interconnects rack-to-rack, shelf-to-shelf, board-to-board, board-to-optical backplane
- InfiniBand applications

ELECTRICAL

- Low speed electrical specifications are compliant with SFF-8679 clause 5.
- High speed electrical specifications are compliant with SFF-8679 clause 5, OIF CEI-VSR-28G/IEEE CAUI-4 over operating case temperature 0 to 70°C and VCC 3.3 ± 5% Volts
- Low power consumption (PAM4 CDR) <1W /channel, low latency

MECHANICAL

- Operating temperature: 0 to 70°C
- Built-in digital diagnostic functions, compliant with SFF-8636
- Hot pluggable

MATERIALS

- Four-channel full duplex active optical cable

KEY BENEFITS

- 28G NRZ, 56G and 112G PAM4 per channel for aggregated data rates ranging from 25G up to 800G
- Small form-factor pluggable (SFP), quad small form-factor pluggable (QSFP), quad small form-factor pluggable double-density (QSFP-DD) and Octal Small Formfactor Pluggable (OSFP) in both straight and breakout configurations
- Offers longer reach and lighter weight interconnects compared to copper cables
- Smaller bend radius than copper alternatives
- Lower power consumption and lower latency for 56G PAM4 product family by using analog CDR as compared to DSP
- Compliant to all industry standards
- Electrically hot-pluggable
- Digital Diagnostics Monitoring
- Cables available in custom lengths as required
- Cables can be branded for OEM customization

STANDARDS AND SPECIFICATIONS

- RoHS compliant
- Meets MSA operating requirements within the end-customers applications

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