FIBER OPTIC COMPONENTS AND ASSEMBLIES

Q&L offers wide range of fiber optic components and assemblies like, patch cords/pigtails, connector parts, adapters, attenuators, PLC splitters, Cassettes, Patch panels, Multi fiber etc. Catering to Telecom, Data center, FTTx and Cable TV market segment.

Connectors & Patch cords:
- Single mode or multi mode.
- PC or APC or UPC polished.
- Custom connector configuration: SC, LC, FC, E2000 types.
- Simplex , duplex or multi fiber.
- 0.9mm/2mm/3mm jacketed.
- Ribbon fan outs 4F/6F/8F/12F.
- Customized length.
- Connectors-single part/semi assembled.

Adapters & Attenuators:
- Single mode or multi mode.
- PC or APC .
- SC, LC, FC, E2000 types.
- Simplex, duplex or quadruple type.
- With or without flange.
- Durability: Min 500 cycles.
- Removable or shutter type dust cap.
- Attenuators- Male to Female /Female to Female type & range of optical losses, 2dB/5dB/7dB/10dB/15dB /20dB etc.

Racks and Patch Panels:
- Various types of integrated racks.
- Custom configured patch panels.
- 19" mounting frames.
- Capacity-12F/24F/48F/96F/144F.
- Fixed/Telescopic/Swivel type.
- Mounting-Floor or Wall mount.
- Custom configure adapters, pigtails and splice trays.
- With security lock and rodent protection.

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Multi Fiber–MPO/MTP:
- MPO or MTP connectors
- Male or female type.
- Typically with 8F/12F or 24F.
- Custom configured fan out with LC/SC/FC type connectors.
- Available with cassette mounted.
- Custom polarity.

Optical Splitters
- PLC or WDM splitters. · 1:2/1:4/1:8/1:16/1:32/2:2/2:4/2:8/2:16 And 2:32 type.
- Bare splitters or cassette type.
- Custom connectorized with SCPC/SCAPC/LCPC/LCAPC connectors.
- Better insertion loss and uniformity.
- Operating temperature: –40℃ to
+ 85℃

FTTx and Other Accessories
- FTTA patch cords (armored).
- FTTH kits.
- Splice closures, Areal/pole mount enclosures.
- Filed crimp connectors.
- Fiber Termination Boxes/Face Plate.
- NTM trays, LGX modules/splitter boxes.
- Optical Distribution Frames.
- Splice protection sleeves.
- Polishing jigs and films.
- Measuring equipment's.

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OUR SERVICES

Supply of fiber optic components and assemblies.

Software Development & Industrial Automation.

Contract manufacturing.

ISO implementation and certification.

Training & Development and Project support.

Indigenous and Overseas vendor development.

Product design & development and approvals.

Turn key project support & Business development.

Third party inspection.

Supply of tools, machinery, testing & measuring equipment's.

Supply of fiber optic components and assemblies
Connector
Adapters
PLC splitters
Multi fiber
Patch cords
Attenuators
Patch panels,
FTTX & Accessories

Software Development & Industrial Automation
Automation concept
Ergonomic design
Jigs & Fixtures
Data management
Software Architecture
Digital transformation
Cloud, Devops, SysOps, AI etc.,
Front / Back and support

ISO implementation and certification
Gap analysis
Organization context
Training
Audit management
ISO 9001/14001/45001/21001
Documentation support
Risk assessment/MRM
Facilitate certication

Training & Development and Project Support
Technical & Behaviour
Online or Classroom
Certificate
Core tool implementation support
Course developmnt
ISO, Six sigma, Lean etc.,
Project support

Contract Manufacturing
Through associates
Process definition
Plant layout design
Technology transfer
Fiber optic assemblies
Plastic Injection molding
Sheet metal fabrication
Packaging

Turn key project support & Business development
Flexibility study
Branding & Marketing
Generate leads
After sales service
Project planning & estimation
Identify & Negotiate supplier
Procurement & Logistics
Execution & Installation

Indigenous and Overseas vendor development
Identify supplier
Quality assessments
Communication
Project progress monitoring
Onsite evaluation
Capacity/Capability assessments
Negotiation

Product design & development and approvals.
Conceptualization
Design & Development
Prototype
Reliability tests
Design feasibility study
Verification & Validation
Trails & Improvements
TEC/TSEC/CACT/RoHS approval

Third party inspection
Unbiased check
Facility Inspection
Compliance Check
Documentation & Reporting
Product inspection
Process or Assembly inspection
Test witness

Supply of tools, machinery, testing & measuring equipment's.
Procurement of instruments, tools & machineries.
test facility set up support for dimensional inspection, mechanical test, teliability durability tests etc.

CONTACT

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