

axon'
CABLE & INTERCONNECT



optical cables

AND INTERCONNECT SOLUTIONS

The AXON' Group is renowned for its expertise in the design and manufacture of interconnect systems including optical applications. AXON' CABLE can offer a wide range of cables and SOFIM (part of the group) has the technical expertise in connection of optical fibres. This unique partnership of expertise enables AXON' to meet the constantly changing demands of the optical applications markets especially silica fiber for data transmission.



The market

AXON' CABLE is a major partner designing and manufacturing cables and cable assemblies for markets such as :

- Aeronautics
- Military
- Telecommunications
- Medical electronics
- Industry

These markets have demands for interconnect systems which include optical assemblies or perhaps hybrid solutions of optical and electrical connections.

AXON' can meet these demands with assembly solutions designed to meet each customer's individual requirement.

AXOPT[®]

AXOPT[®] products are custom designed solutions. The range of AXOPT[®] products is designed to perform in severe environmental situations - climate / mechanical ...

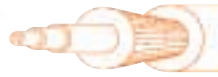
AXON's expertise with high temperature jacket materials makes it possible to incorporate the latest innovative technologies into optical assembly design, producing products for specific conditions.

Why use optical fiber cables ?

- Flexibility —
- Low weight —
- Large band width —
- Low attenuation —
- No EMI interference —
- No ray emission —
- No conduction —

Fiber (silica)

- Single mode
- 50/ 120
- 62.5/125
- 100/140
- 200/230
- 200/280
- Other types on request



Cables

- Tight structure, mainly made from high temperature or zero halogen materials with aramid reinforcement.
- Core diameter : 0.9 mm
- Simplex diameter : 3.0 mm.
- Duplex.
- Multifibers
- Hybrids (optical or electrical).
- Other cables or dimensions on request.

Termination

- SC
- FC
- SMA
- ST2
- Multifibers (MT-RJ, Duplex SC, MTP, optical points, ...)
- Specials HA, MFM, ...

Cords

- Simplex/Duplex patch cords.
- Multifibers cords.
- Multipoint optical cords.
- Optical / electrical hybrid cords.
- Special cords.

Control & Test

- Optical continuity.
- OTDR.
- Cord attenuations.

Optical test & Inspection

In order to maintain the highest of quality standards, AXON' has equipment and highly specialised optical devices including :

- A clean room for the production of patch cords,
- Automatic polishing of ferrules,
- Inspection of assemblies on remote screens,
- single/multimode OTDR, power meter, single/multimode optical sources.

Quality Assurance

With a carefully structured Quality Management system AXON' has obtained :

- ISO 9001 approval, (AFAQ - EQNET member),
- QUALIFAS certification,
- Numerous product approvals according to international standards : UL, CSA, NF, MIL, ...
- Quality agreements for the space industry : ESA, NASA, ...
- Customer approvals for both products and processes : BOEING, MATRA BAE, AEROSPATIALE, ALCATEL, DASA,...

Our engineers are at your disposal for any enquiry and design at the following address : axopt@axon-cable.com



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-  EQUIPMENT WIRES
-  COAXIAL CABLES
-  FLAT CABLES
-  COMPOSITE CABLES
-  HARNESES
-  SPECIAL CABLES

