

# Fibre Optics

European leader in advanced technology solutions



## About Acal BFi

Acal BFi is Europe's leading provider of advanced technology solutions, operating in 12 countries throughout Europe, China and South Korea.

We offer products across twelve specialist technology areas, each with a dedicated pan-European sales team. Customers use our design-led expertise and expert consultation services to find the best technology solutions for their design, prototype and production needs.

## Get in touch

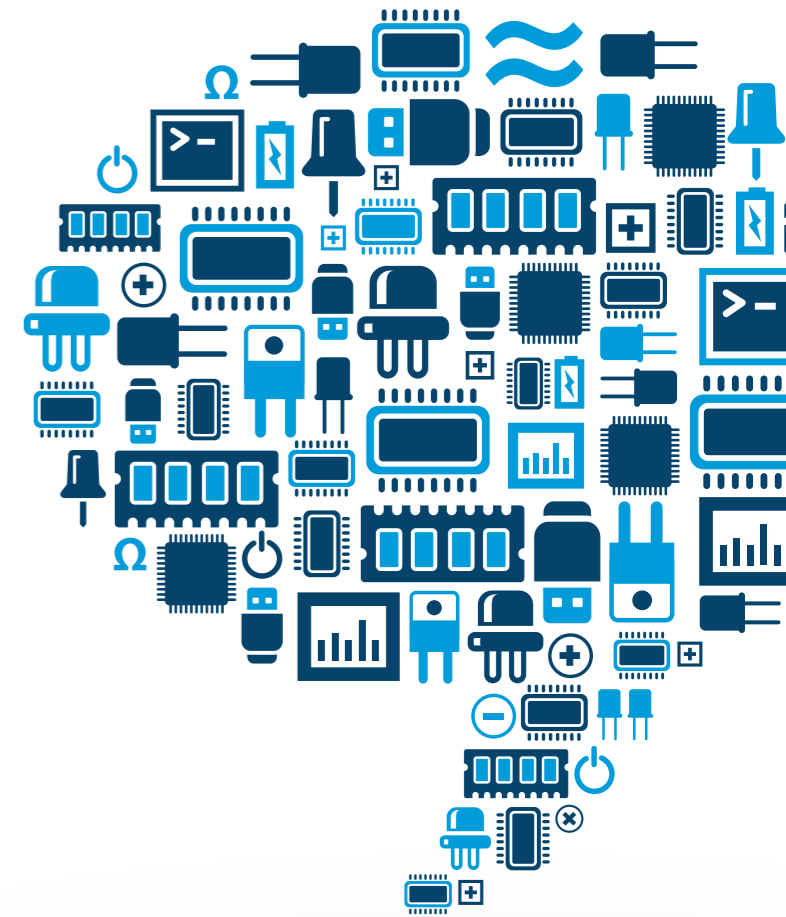
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## Products and support

Cables & Connectors	Electromechanical
Embedded Computing	<b>Fibre Optics</b>
Imaging	M2M & Wireless Modules
Magnetic Components	Photonics
Power	RF & Frequency Control
Semiconductors	Sensors



## Bringing cutting-edge Fibre Optics from suppliers you can trust

We offer one of the most complete selections of standard and cutting edge fibre optical technologies on the market – the result of our partnerships with best-in-class manufacturers.

Our comprehensive solutions include MSA-compatible pluggable solutions and advanced embedded parallel optics that allow designers to solve interconnect bandwidth challenges in communications, computing and consumer applications. Acal BFi offers a complete portfolio of fibre optic components and accessories across standard, emerging and specialist markets.

## Fibre Optic Cable Assemblies Service

When you need optical fibre-based cable assemblies for demanding applications Acal BFi, working with industry leader OFS, has the right answer for you.

**consult. design. integrate.**

## Helping you identify the best solution for your application

Acal BFi works with you to select the right fibre for your system, whether operating in Single- or Multi-mode. We also define the correct cable and connection system to meet the specific environmental operating conditions of your system. OFS has a full-service state of the art assembly house

- **Improved system performance** - optical fibre cable assembly is optimised both mechanically and optically to your system needs
- **Wide range of fibre types** - to suit all non-telecom industrial, medical, aerospace and defence applications
- **Wide range of connector systems available** - from crimp-and-cleave, through industry standard connection systems to fibre metalisation and ferrules
- **Shorter development cycles** - first article samples are generally available within 4-6 weeks
- **Total cost of ownership reduced** - cable is supplied complete, tested and ready to install
- **State-of-the art logistics** - including just-in-time, Kanban, ship-to-line and buffer-stocking to agreed levels support your inventory and cash-flow
- **Delivery anywhere in the world** - supporting delivery of cable assemblies directly to the required point of use
- **Quality & Reliability** - all designs are manufactured in USA by facilities accredited with ISO9001 and ISO13485



## Key Partners Overview

Acal BFi has chosen to work with the leading manufacturers in their field offering you a complete solution for your Fibre Optic needs.



**AC Photonics** - An established, fast growing fibre optic component manufacturer specialising in the field of passive fibre optic components and custom-made solutions. With R&D in the US and multiple production facilities in Asia, AC Photonics is able to deliver a vast, competitive product range.



**AGx Technologies** - Specialises in analogue fibre optic components for use in optical communication applications, with heavy focus on product quality and reliability. A wide selection of photo detectors and laser modules. High output power and high linearity make AGx's products especially suitable for CATV, FTTx and RF-over-fibre applications.



**Amphenol** - A premier manufacturer of optical interconnect products. A division of Amphenol Corporation with over seventy years of experience in providing total interconnect solutions to customers throughout the world.



**Avago Technologies** - Avago is at the cutting edge in high-density optical interconnects for data centers and cloud computing, offering a complete set of parallel optic solutions including embedded solutions as well as pluggable QSFP+ and CXP fibre optic transceivers and active-optical cables



**Coretek Opto Corporation** - Coretek's optical technology portfolio is critical to applications such as broadband communications, telecommunications and data communications. Coretek is a leading provider of optical components and subsystems to customers worldwide.



**JDSU** - Leading provider of optical products and test and measurement solutions for the communications industry, the JDSU technology portfolio is a key enabler for optical solutions in industries such as broadband communications, brand enhancement and authentication, manufacturing and energy.



**Lightron** - Designs and builds a range of optical transceiver modules for FTTx, Telecom/ Datacom, CATV and wireless communication applications. Its portfolio includes a full range of FTTx (fibre-to-the-x) ONU/OLT transceivers, high precision discrete lasers and receivers for CATV and RFoG (Radio Frequency over Glass).



**NEL Photonics** - The partner of choice for AWGs, thermo-optic switches, 10Gbps direct modulation uncooled DFB laser modules and narrow linewidth butterfly DFB lasers..



**OFS** - Has been instrumental in shaping the future of optical communications and fibre optic technology. The industry leader in optical fibre design and realization for highly customized applications



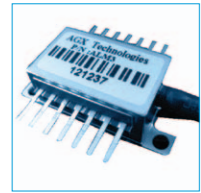
# Key Technologies and Suppliers

## The Acal BFi Fibre Optics portfolio



### Cables & Assemblies

- Aerospace
- Crimp & Cleave
- Customised Assemblies
- Customised Cables
- HCS Multi-mode fibres
- Indoor Industrial
- Low Smoke Zero Halogen
- Metalised Pigtailed
- Multi-mode Graded Index
- Multi-mode Step Index
- Outdoor Industrial
- Polarization-Maintaining
- Raman
- Single-Mode
- Terminations



### CATV Products

- Analogue PIN Receiver
- Cooled DFB
- Uncooled DFB
- Laser/PD/WDM assemblies



### Connectors

- Custom solutions
- FC, ST, LC, SC
- Crimp & Cleave
- Termination Kits
- MSA Transceiver Cages/Connectors



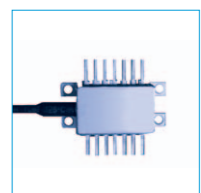
### Detectors /ROSA

- Custom solutions
- Detectors & emitters
- MSA Compatible
- Pig tailed solutions



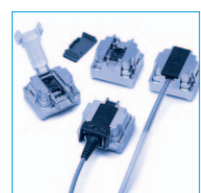
### Industrial Control

- Customised Modules
- High Galvanic Isolation Links
- Receivers
- Transceivers
- Transmitters



### Lasers/emitters/TOSA

- Custom solutions
- Detectors & emitters
- Gas Sensing Lasers
- MSA Compatible
- Pig tailed solutions



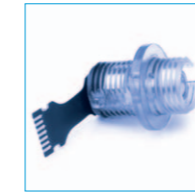
### Parallel Optic Solutions

- 4 Channel Transceivers
- 12 Channel Transceivers
- 10 to 120Gb/s Solutions
- Micropod™/Minipod™ 120G Tx/Rx



### Passives

- Couplers & Splitters
- Optical switch
- Optical Attenuator
- Optical Channel Monitor
- MUX/DEMUX
- Collimators
- AWG
- Variable Optical Attenuators



### RF over Fibre

- Bi-Directional Modules
- Custom Solutions
- Transceivers
- Pig Tailed Solutions
- Multi-Ghz Transmitters & Receivers



### Speciality Fibre

- Custom Solutions
- Harsh Environment
- Sensing Fibres
- Single & Multimode
- Tight Bend
- HCS
- GIHCS
- Plastic Optical Fibre



### Transceivers

- Custom Solutions
- Industrial
- MSA Compliant
- Telecom & Datacom
- Tunable



	Cables & Assemblies	CATV Products	Connectors	Detectors/ROSA	Industrial Control	Laser/Emitters/TOSA	Parallel Optics	Passives	RF over Fibre	Speciality Optical Fibre	Transceivers
AC Photonics								•			
AGx		•		•		•			•		
Amphenol			•								
Avago Technologies	•				•		•		•	•	•
Coretek Opto Corporation					•						•
JDSU											•
Lightron		•		•		•					•
NEL Photonics								•			
OFS	•		•							•	



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