

# 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.

## Contact:

Eindhoven  
 Tel: +31 (0)40-2507 400  
 Fax: +31 (0)40-2507 409  
 Email: sales-nl@acalbfi.nl

[www.acalbfi.nl](http://www.acalbfi.nl)

## Products and support

Cables & Connectors

Embedded Computing

Imaging

Magnetic Components

Power

Semiconductors

Electromechanical

**Fibre Optics**

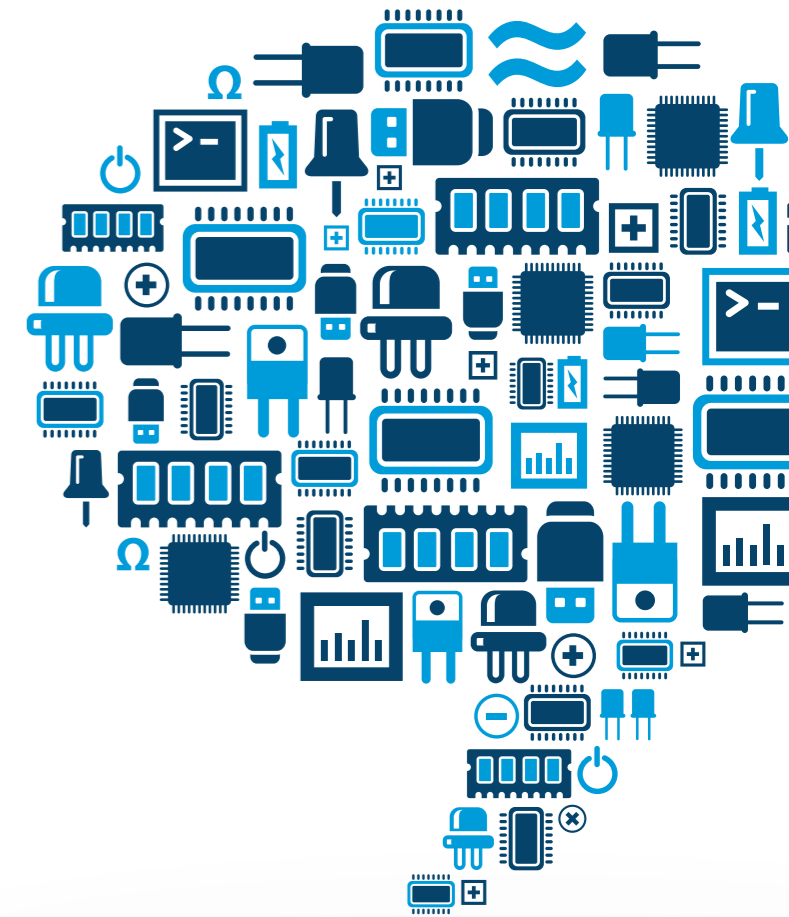
M2M & Wireless Modules

Photonics

RF & Frequency Control

Sensors

Test & Measurement



## 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.



**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.



**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).



**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

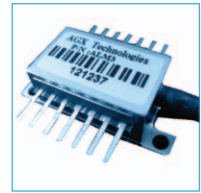
# Key Technologies and Suppliers

## 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



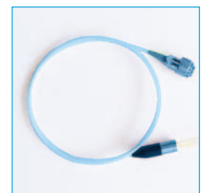
### CATV Products

- 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



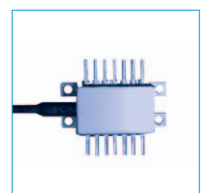
### Detectors / ROSA

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



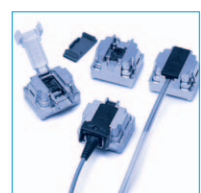
### Industrial Control

- 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
Avago Technologies	•		•	•	•	•	•	•	•	•	•
Coretek Opto Corporation					•						•
Lightron		•		•	•	•					•
OFS	•		•							•	



Acal BFi Belgium  
Lozenberg 4  
1932 Zaventem  
Belgium

Tel: +32 (0)2 720 5983  
Fax: +32 (0)2 725 1014  
Email: [sales-be@acalbfi.be](mailto:sales-be@acalbfi.be)



Acal BFi Nordic AB (Denmark)  
Jernbanegade 23 B  
DK-4000 Roskilde  
Denmark

Tel: +45 70 26 22 25  
Fax: +45 70 26 22 21  
Email: [info@acalbfi.dk](mailto:info@acalbfi.dk)



Acal BFi Nordic AB (Finland)  
Teknobulevardi 3-5  
FI-01530 Vantaa  
Finland

Tel: +358 207 969 770  
Fax: +358 207 969 771  
Email: [info@acalbfi.fi](mailto:info@acalbfi.fi)



Acal BFi France SAS  
4 Allée du Cantal  
Z.I. La Petite Montagne Sud  
CE 1834 - Lisses  
91018 EVRY Cedex, France

Tel: +33 (0)1 60 79 59 00  
Fax: +33 (0)1 60 79 89 01  
Email: [sales-fr@acalbfi.fr](mailto:sales-fr@acalbfi.fr)



Acal BFi Germany GmbH  
Assar-Gabrielsson-Straße 1  
63128 Dietzenbach  
Germany

Tel: +49 (0)6074 4098 0  
Fax: +49 (0)6074 4098 110  
Email: [sales-de@acalbfi.de](mailto:sales-de@acalbfi.de)



Acal BFi Germany GmbH  
Oppelner Straße 5  
82194 Gröbenzell  
Germany

Tel: +49 (0)8142 6520 0  
Fax: +49 (0)8142 6520 190  
Email: [sales-de@acalbfi.de](mailto:sales-de@acalbfi.de)



Acal BFi Ireland  
Unit 14G  
Maynooth Business Campus  
Maynooth, Co. Kildare  
Ireland

Tel: +353 1 629 2640  
Fax: +353 1 629 2637  
Email: [irishsales@acalbfi.co.uk](mailto:irishsales@acalbfi.co.uk)



Acal BFi Italy SRL  
Via Cascina Venina n.20/A  
20090 Assago (MI)  
Milan  
Italy

Tel: +39 02 53583.1  
Fax: +39 02 53583201  
Email: [sales-it@acalbfi.it](mailto:sales-it@acalbfi.it)



Acal BFi Italy SRL  
Via Alessandro de Stefani 60  
00137 Roma  
Italy

Tel: +39 06 86894259  
Fax: +39 06 86895354  
Email: [sales-it@acalbfi.it](mailto:sales-it@acalbfi.it)



Acal BFi Netherlands BV  
Luchthavenweg 53  
5657 EA Eindhoven  
The Netherlands

Tel: +31 (0)40 250 7400  
Fax: +31 (0)40 250 7409  
Email: [sales-nl@acalbfi.nl](mailto:sales-nl@acalbfi.nl)



Acal BFi Nordic AB (Norway)  
Gigstadsvei 22  
3511 Hønefoss  
Norway

Tel: +47 (0)32 16 2060  
Fax: +47 (0)32 16 2069  
Email: [info@acalbfi.no](mailto:info@acalbfi.no)



Acal BFi Iberia SL  
C/ Anabel Segura,  
7 – Planta Acceso  
28108- Alcobenas, Madrid  
Spain

Tel: +34 91 453 1160  
Fax: +34 91 539 4404  
Email: [sales-es@acalbfi.es](mailto:sales-es@acalbfi.es)



Acal BFi Nordic AB (Sweden)  
Rissneleden 138  
SE-17457 Sundbyberg  
Sweden

Tel: +46 (0) 8 5465 6500  
Fax: +46 (0) 8 5465 6565  
Email: [info@acalbfi.se](mailto:info@acalbfi.se)



Acal BFi Nordic AB (Sweden)  
Fålhagsleden 59  
Box 3002  
SE-750 03 Uppsala  
Sweden

Tel: +46 (0)18 56 58 30  
Fax: +46 (0)18 69 66 66  
Email: [info@acalbfi.se](mailto:info@acalbfi.se)



Acal BFi UK Limited  
3 The Business Centre  
Molly Millars Lane  
Wokingham  
Berkshire, RG41 2EY  
UK

Tel: +44 (0)1189 788 878  
Fax: +44 (0)1189 776 095  
Email: [sales-uk@acalbfi.co.uk](mailto:sales-uk@acalbfi.co.uk)



Acal BFi UK Limited  
Challenge House  
Sherwood Drive  
Bletchley, Milton Keynes  
Buckinghamshire, MK3 6DP  
UK

Tel: +44 (0)1189 788 878  
Fax: +44 (0)1189 776 095  
Email: [sales-uk@acalbfi.co.uk](mailto:sales-uk@acalbfi.co.uk)