

## FIBRE PASSIVE DEVICES

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AFL manufactures a comprehensive portfolio of fibre passive devices (FPD) and associated enclosures to suit a range of applications including FTTx, CATV, LAN and telecommunications networks.

FPD's are available in a 1RU format or scalable modular format compatible with a range AFL fixed and sliding rack mount enclosures.

AFL's FPD range comprises of:

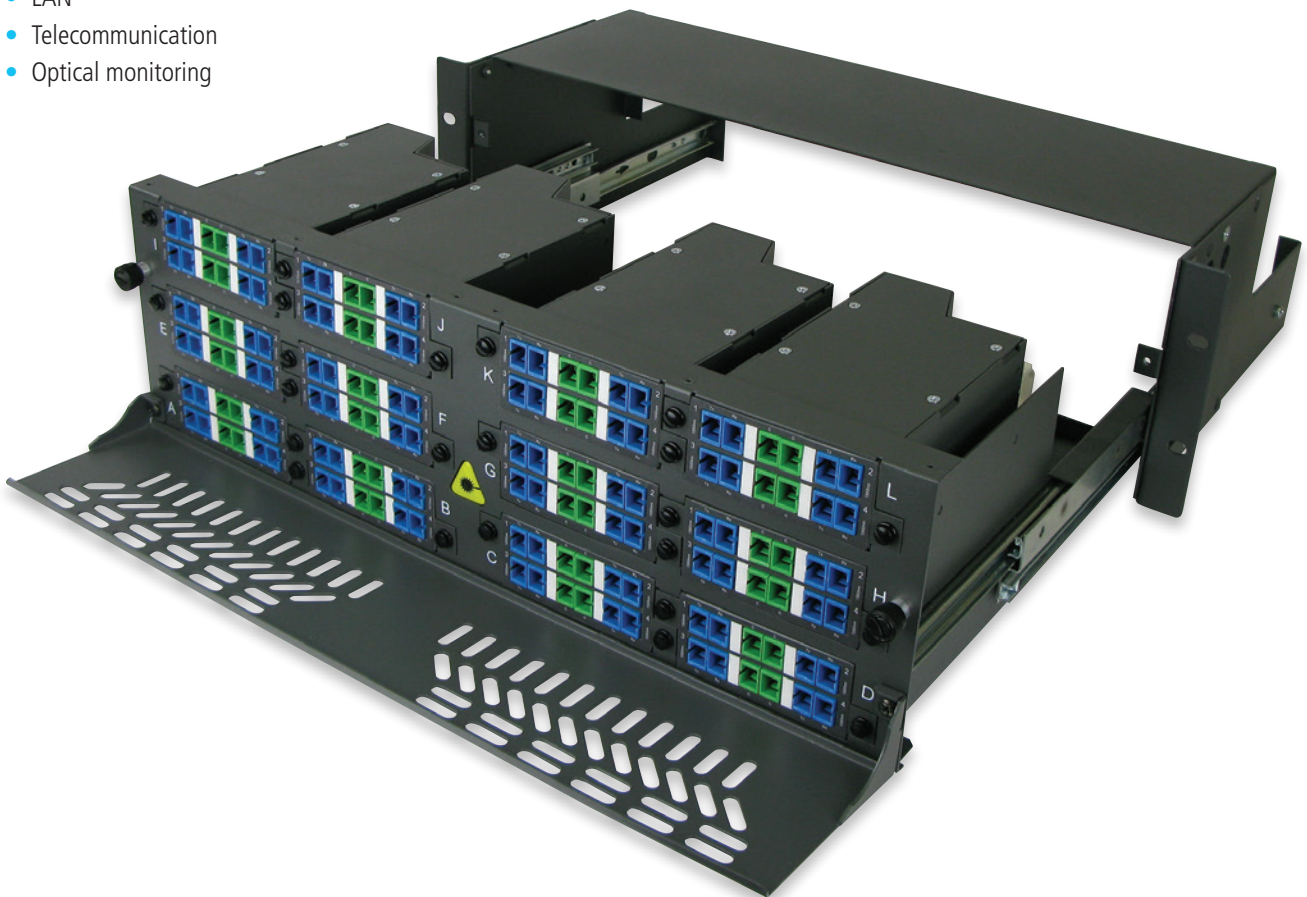
- Splitters
- Circulators
- Wave Division Multiplexers (WDM)
- Filtered Wave Division Multiplexers (FWDM)
- Coarse Wave Division Multiplexers (CWDM)
- Dense Wave Division Multiplexers (DWDM)

## Features

- Plug and play design
- Optimise fibre utilisation
- Scalable, modular design or 1RU variations
- Telcordia GR-1221, GR-1209 & GR-326-CORE compliant

## Applications


- FTTx
- LAN
- Telecommunication
- Optical monitoring




## Optical Splitters

AFL manufactures a range of splitters which can be used in PON deployment or optical monitoring installations. AFL splitters are available in both single-mode and multimode with variable split ratios and custom connector configuration.


### Rackmount

PRODUCT		DESCRIPTION		
1RU Rackmount Splitter		<b>ORDERING INFORMATION</b>	<b>PACKAGING</b>	
		FPD-OS114SCA4-X1	4 x 1:4 Planar Splitter, SCA 1260-1650 nm, 1RU	Each
		FPD-OS118CA2-X1	2 x 1:8 Planar Splitter, SCA 1260-1650 nm, 1RU	Each
		FPD-OS1132SCA1-X1	1 x 1:32 Planar Splitter, SCA 1260-1650 nm, 1RU	Each
		Contact AFL for alternate configurations		


### Modular

PRODUCT		DESCRIPTION		
Modular Splitter		<b>ORDERING INFORMATION</b>	<b>PACKAGING</b>	
		FPD-OS114SCA1-H1	1 x 1:4 Planar Splitter Module, SCA 1260-1650 nm	Each
		FPD-OS114SCA2-H1	2 x 1:4 Planar Splitter Module, SCA 1260-1650 nm	Each
		FPD-OS118SCA1-H1	1 x 1:8 Planar Splitter Module, SCA 1260-1650 nm	Each
		Contact AFL for alternate configurations		

### Wall Mounted

PRODUCT		DESCRIPTION		
Wall Mounted Splitter Enclosure		AFL's range of wall mounted splitter enclosures are the ideal splitter for use in GPON installation where floor space is at a premium. Available in standard split ratios of 1:2 to 1:32, our wall mounted splitter enclosures provide plug and play connectivity for MDU PON/POL installations.		
		<b>ORDERING INFORMATION</b>	<b>PACKAGING</b>	
		FPD-OS112SCA1-W1	1 x 1:2 PLC Splitter 1260-1650 nm SCA, FWE MOD-12	Each
		FPD-OS114SCA1-W1	1 x 1:4 PLC Splitter 1260-1650 nm SCA, FWE MOD-12	Each
		FPD-OS118SCA1-W1	1 x 1:8 PLC Splitter 1260-1650 nm SCA, FWE MOD-12	Each
		FPD-OS1116SCA1-W1	1 x 1:16 PLC Splitter 1260-1650 nm SCA, FWE MOD-12	Each
		FPD-OS1132SCA1-W2	1 x 1:32 PLC Splitter 1260-1650 nm SCA, FWE MOD-24	Each
Contact AFL for alternate configurations				

### DIN Rail

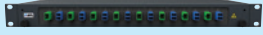
PRODUCT		DESCRIPTION		
DIN Rail Mounted Splitter		AFL's DIN rail mounted splitters are the ideal splitter for use in GPON installation where splitting is to be performed in shallow cabinets. Offering standard split ratios of 1:4 and 1:8, our DIN rail splitter provides plug and play interconnection into passive optical networks.		
		<b>ORDERING INFORMATION</b>	<b>PACKAGING</b>	
		FPD-OS114SCA1-D1	1 x 1:4 PLC Splitter DIN Rail, 1260-1650 nm	Each
		FPD-OS118SCA1-D1	1 x 1:8 PLC Splitter DIN Rail, 1260-1650 nm	Each
Contact AFL for alternate configurations				

# FIBRE PASSIVE DEVICES




## Optical Circulator

AFL's optical circulators are available in single wavelength (1310 nm or 1550 nm) or dual wavelength (1310 nm and 1550 nm) configurations and allow users to consolidate bi-directional traffic onto one fibre, allowing customers to achieve better utilisation of installed fibre.


### Rackmount

PRODUCT		DESCRIPTION		
1RU Rackmount Circulator		<b>ORDERING INFORMATION</b>	<b>PACKAGING</b>	
		FPD-OC113SCASC6-X1	6 x 1310 nm Circulator, SCA/SC, 1RU	Each
		FPD-OC115SCASC6-X1	6 x 1550 nm Circulator, SCA/SC, 1RU	Each


### Modular

PRODUCT		DESCRIPTION		
Modular Circulator		<b>ORDERING INFORMATION</b>	<b>PACKAGING</b>	
		FPD-OC113SCASC4-H1	4 x 1310 nm Circulator Module, SCA/SC	Each
		FPD-OC113SCALC6-H1	6 x 1310 nm Circulator Module SCA/LC	Each
		FPD-OC115SCASC4-H1	4 x 1550 nm Circulator Module, SCA/SC	Each
		FPD-OC115SCALC6-H1	6 x 1550 nm Circulator Module, SCA/LC	Each
		FPD-OC11315SCALC3-H1	3 x 1310 nm + 3 x 1550 nm Circulator Module, SCA/LC	Each
Mini Modular Circulator		<b>ORDERING INFORMATION</b>	<b>PACKAGING</b>	
		FPD-OC113SCALC1-M1	1 x 1310 nm Circulator Module, SCA/LC, Mini	Each
		FPD-OC115SCALC1-M1	1 x 1550 nm Circulator Module, SCA/LC, Mini	Each
		FPD-MOD6-M1	Standard Density Modular Insert for Mini FPD	Each
		FPD-MOD3-M1	High Density Modular Insert for Mini FPD	Each
Modular IFDF Circulator		<b>ORDERING INFORMATION</b>	<b>PACKAGING</b>	
		FPD-OC113SCALC12-F1	12 x 1310 nm Circulator SCA/LC, IFDF	Each
		FPD-OC115SCALC12-F1	12 x 1550 nm Circulator SCA/LC, IFDF	Each

### Rackmount OCW



PRODUCT		DESCRIPTION	
OCW Rackmount Circulator		<b>ORDERING INFORMATION</b>	<b>PACKAGING</b>
		FPD-OCW1SCALC6-X1	6 x 1310/1550 OCW, SCA/LC, 1RU

### Modular OCW

PRODUCT		DESCRIPTION	
OCW Module		<b>ORDERING INFORMATION</b>	<b>PACKAGING</b>
		FPD-OCW1SCALC4-H1	4 x 1310 / 1550 nm OCW Module, SCA/LC


## CWDM & DWDM

AFL's CWDM and DWDM solutions allow customers to multiplex optical channels, optimising utilisation of installed fibre networks.

PRODUCT		DESCRIPTION		
1RU Rackmount CWDM		<b>ORDERING INFORMATION</b>		<b>PACKAGING</b>
		FPD-OMC181470SCALC1-X1	FPD 8CH CWDM, 1470NM SCA/LC 1 RU	Each
1RU Rackmount DWDM		<b>ORDERING INFORMATION</b>		<b>PACKAGING</b>
		FPD-OMD112-30-SCALC-1U	FPD 12CH DWDM, START CH 30, SCA/LC 1RU	Each

## Plug-type Attenuators

AFL offers a range of high quality plug type optical attenuators including SC, ST, FC, LC, Duplex LC, DIN, MU and reduced pitch 4.5 mm MU. Ferrule polish is available in UPC and APC finishes. The attenuators are constructed of Zirconia ferrule and deliver a precise attenuation level ranging from 1 db–30 dB using specialty high attenuation fibre.

PRODUCT		DESCRIPTION		
Male – Female		<b>ORDERING INFORMATION</b>		<b>PACKAGING</b>
		ATT-SC-05-SM-MF	Attenuator, SC 5 dB SM, M-F	Each
		ATT-SC-10-SM-MF	Attenuator, SC 10 dB SM, M-F	Each
		ATT-SC-20-SM-MF	Attenuator, SC 20 dB SM, M-F	Each
		ATT-SC-05-MM-MF	Attenuator, SC 5 dB MM, M-F	Each
		ATT-SC-10-MM-MF	Attenuator, SC 10 dB MM, M-F	Each
		ATT-SC-20-MM-MF	Attenuator, SC 20 dB MM, M-F	Each
		Contact AFL for alternate configurations		

**Head Office**

93-97 Merrindale Drive  
Croydon South VIC 3136  
AUSTRALIA  
TEL: +61 3 9737 4200

**AFL Cable Plant**

100 Olympia Street  
Tottenham VIC 3012  
AUSTRALIA  
TEL: +61 9316 8300

**Sydney**

13/14 Boden Road  
Seven Hills NSW 2147  
AUSTRALIA  
TEL: +61 2 9421 4200

**Newcastle**

TEL: +61 416 652 749

**Brisbane**

2/50 Borthwick Avenue  
Murarrie QLD 4172  
AUSTRALIA  
TEL: +61 7 3292 1400

**Perth**

1/32 Robinson Avenue  
Belmont WA 6104  
AUSTRALIA  
TEL: +61 8 6253 2200

**Canberra**

3/7 Beaconsfield Street  
Fyshwick ACT 2609  
AUSTRALIA  
TEL: +61 2 6143 2300

**Adelaide**

1/151-153 Gilles Street  
Adelaide SA 5000  
AUSTRALIA  
TEL: +61 8 8223 1919

**Auckland**

8/11 Orbit Drive  
Rosedale, North Shore  
Auckland 0632  
NEW ZEALAND  
TEL: +64 9 927 7140



Australia 1300 232 476 [www.AFLglobal.com/au](http://www.AFLglobal.com/au) | New Zealand +64 (0) 9 927 7140 [www.AFLglobal.com/nz](http://www.AFLglobal.com/nz)

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