



Fibre Wall Outlet

4 X SC Simplex or LC Duplex Adaptors

Application/Product Description

The Fibre Wall Outlet (FWO) provides a fibre optic cable connection point designed to provide the final connection to the router or active equipment.

The FWO is a small single socket size outlet which is manufactured from Polycarbonate + ABS V0 rated material.

The outlet has cable entry positions at the base, rear and on each side. Designed with fibre management features which ensure a 30mm minimum bend radius and cable tie fixings at all entry ports to provide strain relief.

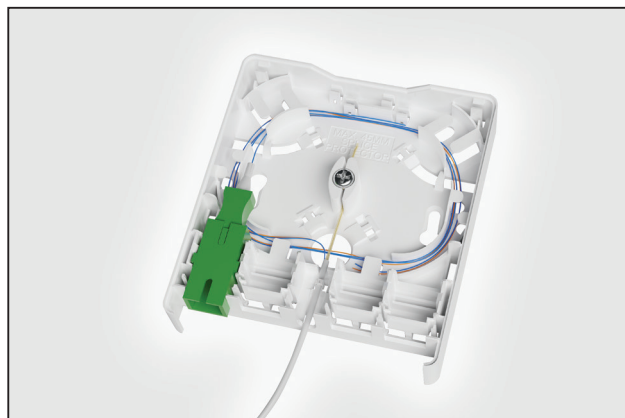
Tamper-proof latches on the side of the outlet secure the cover to the base and the overhang restricts the removal of any adaptors and connectors when the cover is in place.

Supplied with 4 output port covers which can be used to provide additional shielding of the adaptors prior to fitting the customer connection cable.

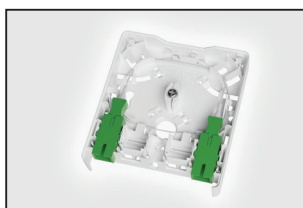
The base has adjustable keyholes to allow for ease of positioning and installation and each outlet is supplied with a standard fixing kit.

The outlet can be supplied either unloaded, with a pre-terminated connector to bare end connection cable or with adaptors and pigtails.

The base of the Fibre Wall Outlet (FWO) has been improved with a new feature: the oval centre part has been modified to become a new attachment point for the strength member. A screw (M4x5mm) has been added to enable the clamping of this Aramid strength member. Overall, this product enhancement gives a better anchoring and reduced any undue stress on the fibre cables that might affect the optical performance.



Fibre Wall Outlet with 1 x SC APC Adaptor and Pre-terminated Drop Cable.



Adaptors and Pigtails Configuration.

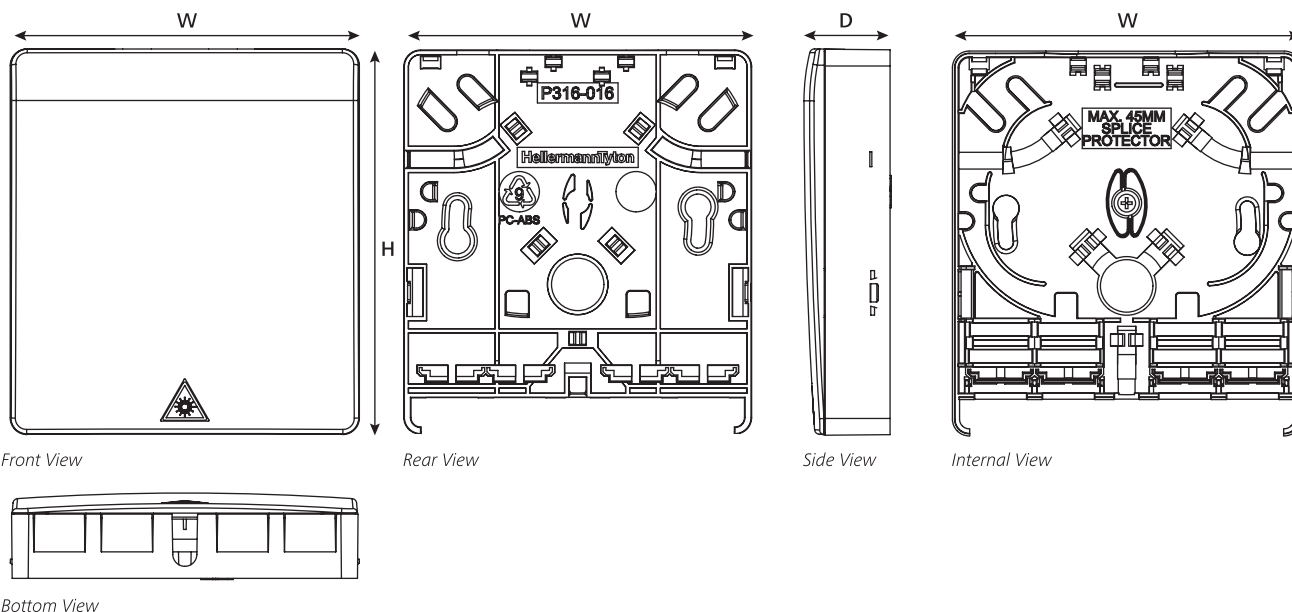


Anchoring Point Detail.

Features and Benefits:

- Available in 3 configurations
 - Pre-terminated connector to bare end connection cable
 - Adaptors and pigtails
 - Unloaded
- Maximum 8 LC connections (Pre-terminated solution only)
- Maximum 4 3A/ANT splice positions
- 4 cable entry positions
- 30mm minimum bend radius
- Integrated safety features – restricts removal of connectors/adaptors
- V0 rated
- IP20 rated
- New anchoring point feature for the strength member

Technical Diagrams





FWOA Technical Data

Dimensions (mm)	H	W	D
	95	86	21
Maximum number of splices	4 (up to 45mm)		
Maximum number of adaptors	4 x SC Simplex or LC Duplex		
Weight (kg)	0.045		
Housing material	Polycarbonate + ABS		
Colour	White		
Mechanical IK protection	IK07		
Strength member retention force (N)	30		

Pre-Terminated Solution

- Maximum of 4 SC or 8 LC connections
- Maximum Adaptor Capacity: 4 SC Simplex / 4 LC Duplex
- Cable entry at the base or rear
- Pre-terminated cable lengths
- 5m – 25m in 5m steps
- 30m – 100m in 10m steps
- Connection cable G657.A1
- Supplied with cable connection(s) fitted in to the adaptor(s)

Cable Specification						
Cable Type	G657.A1					
Number of Fibres	2	4	8			
Nominal Outer Diameter (mm)	3.0±0.15					
Nominal Weight (kg/km)	7.0	8.5	11.5			
Maximum Tensile Strength (N)	Short Term	Long Term	Short Term	Long Term	Short Term	Long Term
	150	80	200	100	300	120
Maximum Crush Resistance (N/100mm)	500			100		
Minimum Bend Radius (mm)	Dynamic			Static		
	20D			10D		

TYPE	Height (H)	Width (W)	Depth (D)	Splice Protector Type	Connector Type	Description	Article-No.
FWOA-SXW21-010/WH	85	85	21	3A, ANT	SC	FWO with 1 x SC SX PC Adaptor and 1 x 10m 2 fibre pre-terminated cable.	857-01352
FWOA-SSW22-010/WH						FWO with 2 x SC SX PC Adaptors and 1 x 10m 2 fibre pre-terminated cable.	857-01365
FWOA-LXW21-010/WH					LC	FWO with 1 x LC DX PC Adaptor and 1 x 10m 2 fibre pre-terminated cable.	857-01391
FWOA-LXW22-010/WH						FWO with 2 x LC DX PC Adaptors and 1 x 10m 2 fibre pre-terminated cable.	857-01417
FWOA-VXW21-010/WH					SC-APC	FWO with 1 x SC SX APC Adaptor and 1 x 10m 2 fibre pre-terminated cable.	857-01296
FWOA-VVW22-010/WH						FWO with 2 x SC SX APC Adaptors and 1 x 10m 2 fibre pre-terminated cable.	857-01339
FWOA-AXW21-010/WH					LC-APC	FWO with 1 x LC DX APC Adaptor and 1 x 10m 2 fibre pre-terminated cable.	857-01378
FWOA-AXW22-010/WH						FWO with 2 x LC DX APC Adaptors and 1 x 10m 2 fibre pre-terminated cable.	857-01404

All dimensions in mm. Subject to technical changes.



Adaptors and Pigtails

- Maximum of 2 SC or 4 LC connections
- Maximum 4 3A/ANT splices
- Fibre storage capacity
- 4m x 250µm
- 4m x 900µm

Cable Specification	
Cable Type	G657.A1
Nominal Outer Diameter (µm)	900
Cable Colour	White
Cable Length (m)	1.0 ± 150mm
Operating Temperature (°C)	-20 to +60

TYPE	Height (H)	Width (W)	Depth (D)	Splice Protector Type	Connector Type	Description	Article-No.
FWOA-XX-XX/WH	85	85	21	3A, ANT	-	Unloaded Fibre Wall Outlet.	857-40368
FWOA-XX-VX/WH					SC-APC	FWO with 1 x SC SX APC Adaptor.	857-01092
FWOA-XX-VP/WH						FWO with 1 x SC SX APC Adaptor and 1 x SC APC Pigtail.	857-01093
FWOA-VX-VX/WH						FWO with 2 x SC SX APC Adaptors.	857-01094
FWOA-VP-VP/WH						FWO with 2 x SC SX APC Adaptor and 2 x SC APC Pigtails.	857-01095
FWOA-XX-LX/WH						LC	FWO with 1 x LC DX PC Adaptor.
FWOA-LX-LX/WH					FWO with 2 x LC DX PC Adaptors.		857-01621
FWOA-XX-LP/WH					FWO with 1 x LC DX PC Adaptor and 2 x LC PC Pigtails.		857-01622
FWOA-LP-LP/WH					FWO with 2 x LC DX PC Adaptors and 4 x LC PC Pigtails.		857-01623
FWOA-XX-AX/WH					LC-APC	FWO with 1 x LC DX APC Adaptor.	857-01624
FWOA-AX-AX/WH						FWO with 2 x LC DX APC Adaptors.	857-01227
FWOA-XX-AP/WH						FWO with 1 x LC DX APC Adaptor and 2 x LC APC Pigtails.	857-01625
FWOA-AP-AP/WH						FWO with 2 x LC DX APC Adaptors and 4 x LC APC Pigtails.	857-01626
FWOA-XX-SX/WH					SC	FWO with 1 x SC PC Adaptor.	857-01235
FWOA-XX-SP/WH						FWO with 1 x SC SX PC Adaptor and 1 x SC PC Pigtail.	857-01236
FWOA-SX-SX/WH						FWO with 2 x SC SX PC Adaptors.	857-01627
FWOA-SP-SP/WH						FWO with 2 x SC SX PC Adaptor and 2 x SC PC Pigtails.	857-01628

All dimensions in mm. Subject to technical changes.