

FiberTwist FTU Series

Base plate and fiber management
with optional blind cover



The FiberTwist FTU can be used as the foundation for all Genexis FiberTwist active units. This includes those from both the Point-to-Point and GPON families.

The small form factor of the FiberTwist FTU has been specifically designed for fast, efficient and easy installation in any location.

Its patented click-on interface provides the end-user with the freedom to install their own Genexis FiberTwist device using a 100% fool proof method.

This reduces installation costs and optimises ease of use.

Features

- » Compact fiber termination unit compatible with all FiberTwist active units
- » Patented FiberTwist click-on interface enabling 100% fool-proof active unit installation
- » Choice of three fiber ingress locations
- » Patch port for an additional patch in or patch out connector
- » Wall junction box and DIN rail compatible and supplied with a drilling template
- » Provision for a gas blocker
- » Fiber management and strain relief
- » Optional blind cover available to protect the installation until the active unit (NT) is installed

Good things come in small parcels

At 11cm x 11cm its small size does not mean it's small on features.

The FMU is capable of holding four fibers. One connects to the active unit, and up to two others can be active at any time. For example: as backup fiber or when using a dual LC coupler in a patch-out scenario.

A choice of three ingress ports provides maximum installation flexibility, while a patch port enables the addition of a connector to be used in either a patch-in or patch-out configuration.

FiberTwist - FTU Series

Features & Specifications

General specifications

- » Dimensions (H x W x D)
 - base plate 110x110x19 mm
 - with blind cover 110x110x40 mm
 - with active unit 110x110x46 mm
- » Weight
 - base plate 89 g
 - with blind cover 136 g
- » Max. gasblocker size 25 x ø15 mm
- » Operating temperature 0 - 40 °C
- » Storage temperature 0 - 70 °C

Accessories (supplied)

- » Mounting screws and plugs
- » Cable ties
- » Foam padding
- » Splice holders for:
 - 4 ANT splices
 - 2 single fusion with splice sleeve
- » Tamper proof seal
- » SC/APC Twist connector

Accessories (optional)

- » Blind cover (pictured right)
 - Finishes and protects the FTU until installation of the NT (active unit)

Fiber Management

- » Storage for 4 fibres
- » 3 fibre ingress points (top, bottom, back)
- » 1 patch port can accommodate:
 - SC connector
 - shuttered SC without flanges
 - single/dual LC connector
- » Sealable fibre management and strain relief

Pigtail

- » Fibre types supported:
 - G.657A1, G.657A2
- » 12mm (short) boot

WDM Combiner

- » Wavelengths:
 - Common port 1260 - 1560 nm
 - CATV 1550 ±10 nm
 - Data (upstream) 1310 ± 50 nm
 - Data (downstream) 1490 ± 10 nm
- » Isolation 15 dB
- » Directivity into CATV port @1310 nm: 47 dB
- » Insertion loss 0.3 dB
- » Return loss 45 dB
- » Fibre:
 - length 100 cm
 - type Corning SMF-28 Ultra 900 µm loose tube

Mounting Options

- » Wall junction box compatible
- » DIN rail compatible

Emissions & safety regulations

- » CE IEC 60950
- » UL94HB flammability class
- » RoHS/WEEE marking:
 - Compliant with 2002/95/EC1



FiberTwist FTU Series product models

Model	Twist Connector SC/APC	Pre-installed Pigtail to Twist port	Patch-Out Connector	Pre-installed Pigtails to Patch-Out port	Fiber Entry Point
FiberTwist-FTU-100	yes	-	-	-	7 mm
FiberTwist-FTU-110	yes	1x SC/APC	-	-	7 mm
FiberTwist-FTU-110-10mm	yes	1x SC/APC	-	-	10 mm
FiberTwist-FTU-120	yes	Combiner: 1x SC/APC, 2x pigtails	-	-	7mm
FiberTwist-FTU-400	yes	-	1x SC/APC	-	7 mm
FiberTwist-FTU-411	yes	1x SC/APC	1x SC/APC	1x SC/APC	7 mm
FiberTwist-FTU-600	yes	-	duplex LC/APC	-	7 mm
FiberTwist-FTU-611	yes	1x SC/APC	duplex LC/APC	2x LC/APC	7 mm
FiberTwist-FTU-700	yes	-	duplex LC/APC with shutter	-	10 mm
FiberTwist-FTU-711	yes	1x SC/APC	duplex LC/APC with shutter	2x LC/APC connected, 2x LC/APC spare	10 mm
FiberTwist-Bracket	yes	Wall mounted bracket for use with patch-in scenarios.			
FiberTwist-FTU-Blindcover	Provides dust protection for the fiber. Fits all FTU models.				