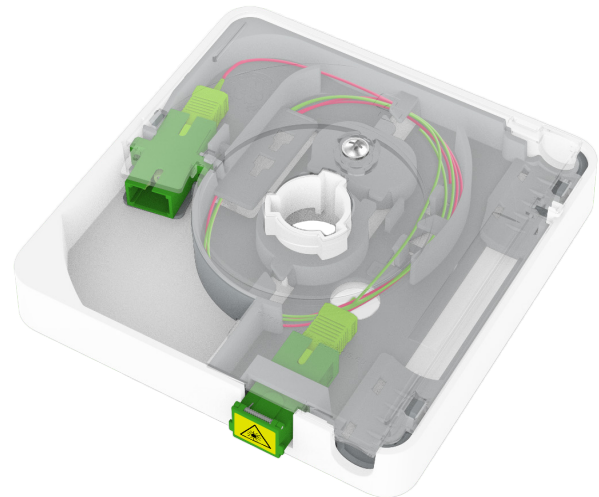# Genexis FiberTwist

FTU 100-Series
(Fiber Termination Unit)

Base plate and fiber management

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, XGS-PON families, as well as optical data and RFoG.

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

FiberTwist is a unique FTTH connectivity solution that redefines size, ease-of-installation and flexibility for the distribution of fiber bandwidth throughout the home.

With FiberTwist, you only need one product to cover each and every deployment scenario in your network.

Key Features

· Compact Fiber Termination Unit (FTU) compatible with all FiberTwist active units

· Patented FiberTwist click-on interface enabling 100% trouble free, DIY active unit installation

· Suitable for patch cables and micro pipes of up to and including 10 mm

· Choice of three fiber ingress locations (top, bottom, back)

· Patch port for an additional patch in or patch out connector

· Wall junction box and supplied with a drilling template, warranty seal, mounting screws, cable ties, cable foam padding and splice holder

· 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

The FiberTwist packages all those needs in a super compact design of only 11 x 11 cm. Its patented Twist interface enables easy installation of active equipment as well as its fiber patch module. Furthermore, the FTU's fiber management system cleverly integrates all technical features one would expect of a professional FTU.

The FTU is capable of holding six fibers. One connects to the active unit, and up to two others are available at any time. For example: as backup fiber or when using a Dual-LC connector 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.

Product features and specifications

Genexis FiberTwist FTU 100-Series

Dimensions (H x W x D)

- FTU   110x110x19 mm
- With Blind Cover   110x110x40 mm
- With active unit   110x110x46 mm

Weight

- FTU   89 g
- Blind Cover   48 g

Max. gasblocker size   25 x ø15 mm

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 @1 310 nm: 47 dB

Insertion loss   0.3 dB

Return loss   45 dB

Fiber

- Length   100 cm
- Corning SMF 28, Ultra 900 µm loose tube

Fiber management

Storage for 6 Fibers

3 Fiber ingress points (top, bottom, back)

For fiber cables up to and including 10mm

1 patch port can accommodate:

- SC connector
- Shuttered SC without flanges
- Shuttered Dual-LC connector

Sealable fiber management and strain relief

Pre-installed pigtail(s) optional

Fiber types supported:

G.657.A1/.A2/.B2/.B3

12 mm (short) boot

Pigtails*

Attenuation Grade C, Return Loss Grade 1 (IEC 61753)

Compliant with ITU-T G.657.A2

Mounting options

Wall junction box compatible

Emissions and safety regulations

- CE IEC 62368
- UL94HB flammability class
- RoHS 3 and WEEE compliant

Accessories (supplied)

Mounting screws and plugs

Cable ties

Foam padding

Splice holders for:

- 4 ANT splices
- 2 single fusion with splice sleeve

Warranty seal

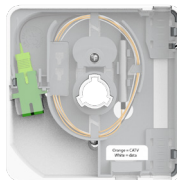SC/APC Twist connector

Installation guide

Drilling template

Accessories (optional)

Blind Cover (picture below):

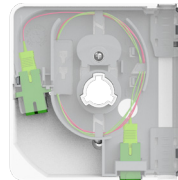- Finishes and protects the FTU until installation of the NT (active unit)

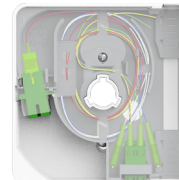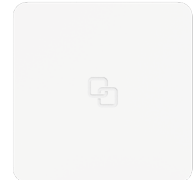* Applicable to selected models only, see table

FiberTwist FTU-100	**FiberTwist FTU-120**	**FiberTwist FTU-411**	**FiberTwist FTU-711**	**FiberTwist FTU-BlindCover**
FiberTwist FTU-110	**FiberTwist FTU-300**	**FiberTwist FTU-611**	**FiberTwist FTU-820**	**Customized FTU-BlindCover**
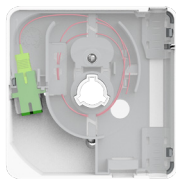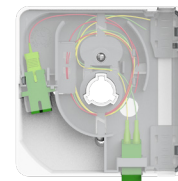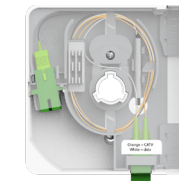
Genexis FiberTwist FTU 100-Series product models

Models	Models with pre-installed pigtail(s)	Patch-connector	Pre-installed Pigtails to Patch-Out port
FiberTwist FTU-100	FiberTwist-FTU-110	-	-
FiberTwist FTU-120	Combiner: 1x SC/APC, 2x pigtails	-	-
FiberTwist FTU-300		1x SC/PC	1x SC/PC
FiberTwist FTU-400	FiberTwist FTU-411	1x SC/APC	1x SC/APC
FiberTwist FTU-511		1x SC/PC (Patch-In)	
FiberTwist FTU-600	FiberTwist FTU-611	Dual-LC/APC	2x LC/APC
-	FiberTwist FTU-711	Dual-LC/APC with shutter	2x LC/APC connected, 2x LC/APC spare
FiberTwist FTU-820	Combiner: 1x SC/APC, 2x LC/APC	Dual-LC/APC (Patch-In)	-
FiberTwist FTU-BlindCover	Provides dust protection for the fiber. Fits all FTU models		

Note: Not every listed feature may be included in the shipping product. We reserve the right to make changes of technical specifications, housing or design without prior notice.