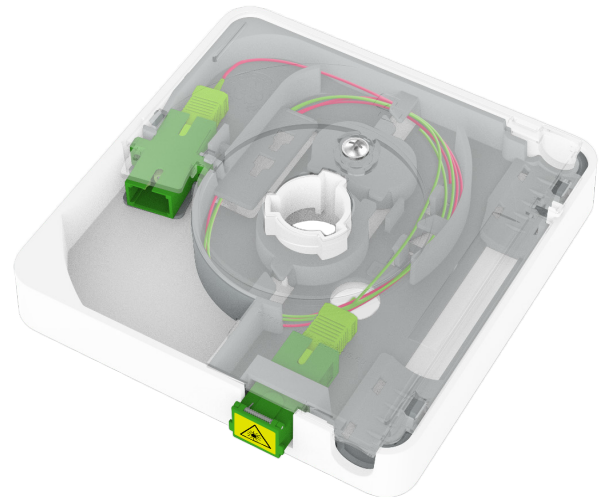


Genexis FiberTwist

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 compact 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 enabling trouble free DIY 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
- Provision for a gas blocker
- Optical WDM combiner to support dual fiber deployment for CATV and data
- Fiber management and strain relief
- Wall junction box and supplied with a drilling template, warranty seal, mounting screws, cable ties, cable foam padding and splice holder
- Optional Blind Cover available to protect the installation until the active unit (NT) is installed

Good things come in small parcels

The FiberTwist comes 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 four others are available at any time. For example: as backup fiber or when using a Quad-LC or Dual-SC connector in a patch-out scenario. A choice of six ingress ports provides maximum installation flexibility.



Product features and specifications

Genesis 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

WDM combiner*

Wavelengths

· Common port	1260 - 1620 nm
· CATV	1550 ±10 nm
· Data reflection 1	1260 - 1530 nm
· Data reflection 2	1570 - 1620 nm

Isolation

· To data port	15 dB
· To CATV port	30 dB

Directivity

47 dB

Insertion loss

0.5 dB

Return loss

50 dB

Fiber

· Length	100 cm
· Corning SMF 28 Ultra, G657A1/A2	

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
- Max. gasblocker size 25 x ø15 mm

Pigtails*

- Attenuation Grade C, Return Loss Grade 1 (IEC 61753)
- Compliant with ITU-T G.657.A2

Mounting options

- Wall junction box compatible

Safety regulations

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

Accessories (supplied)

- Mounting screws and plugs
- Cable ties
- Foam padding
- Splice holders for:
 - 4 ANT splices
 - 2 single fusion with splice sleeve - max 3mm width splice nails
- Warranty seal
- SC/APC Twist connector
- Installation guide (digital available)
- Drilling template (digital available)

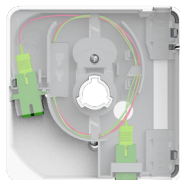
Accessories (optional)

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

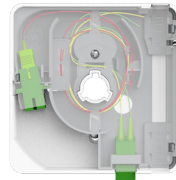
* Applicable to selected models only, see table



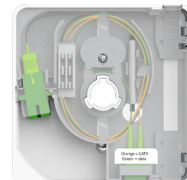
FiberTwist FTU-100



FiberTwist FTU-411



FiberTwist FTU-611



FiberTwist FTU-830



Customized FTU-BlindCover

Examples FTU models

Genesis 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-130	Combiner: 1x SC/APC, 2x pigtails	-	-
FiberTwist FTU-211	-	1x SC/APC	-
FiberTwist FTU-300		1x SC/UPC	1x SC/UPC
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-830	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		