Telegärtner

DataVoice Home

Fiber-In-The-Home

**Convenient cabling solutions
for buildings and apartments**

Fiber optic: future-proof and reliable

Streaming videos and music, IP-TV with HDTV, downloads of large data volumes from the Internet, uploads of images and videos to the cloud, home office, telemedicine – modern, high-performance services demand ever higher data rates. Fiber optics offer almost unlimited possibilities which is why residential buildings are increasingly being equipped with fiber optic connections (Fiber-to-the-Home, or FTTH for short). To ensure optimum performance, the optical fiber must also be laid inside the house to the connection point (Fiber-in-the-Home, or FITH for short).

High-quality cabling solutions from Telegärtner offer property developers and users the performance, flexibility and reliability they need for long service life without failures. Easy-to-assemble, pre-assembled, modular solutions for need-based expansion and for simple extensions, even while the system is in operation, offer the decisive plus in terms of cost-effectiveness and investment protection.

Fiber-To-The-Home
up to 1 Gbit/s

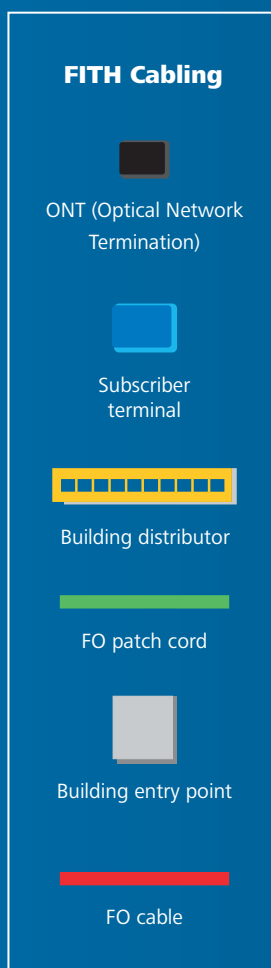Central office — Fiber optic cable — Distribution point — Fiber optic cable — FITH

FITH cabling system apartment building

Exemplary cabling

FITH Cabling

ONT (Optical Network Termination)

Subscriber terminal

Building distributor

FO patch cord

Building entry point

FO cable

Street cabinets

Modular Wall Distributor

✓ **For individual requirements:** The modular wall distributor is equipped and expanded according to individual requirements. Telegärtner also offers a comprehensive range of distributors in various sizes and configurations.

| Order number	Description
H02050A0302	Modular Wall Distributor SAM-SC, with 8 SC cassettes
H02050A0303	Modular Wall Distributor SAM-SE, with 4 SE cassettes

Micro Splice Box

✓ **Small in size:** Where a classic distributor is too large, the micro splice box takes over the connection of the optical fibers. Barely larger than a smartphone, it fits almost anywhere.

| Order number	Description
H02050A0251	MICRO splice box incl. splice holder, 4xSC/APC adaptor, 4x SC/APC pigtails
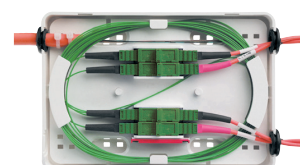
FO Patch Cords

✓ **Just as you wish:** Patch cords (simplex & duplex) are available with the same or different connectors at both ends, in standard lengths of one to ten meters immediately from stock or in individual lengths and designs according to customer specifications.
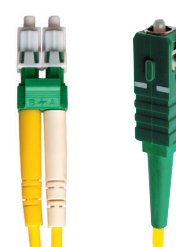
Simply configure individually online at **telegaertner.com/go/ticnet**
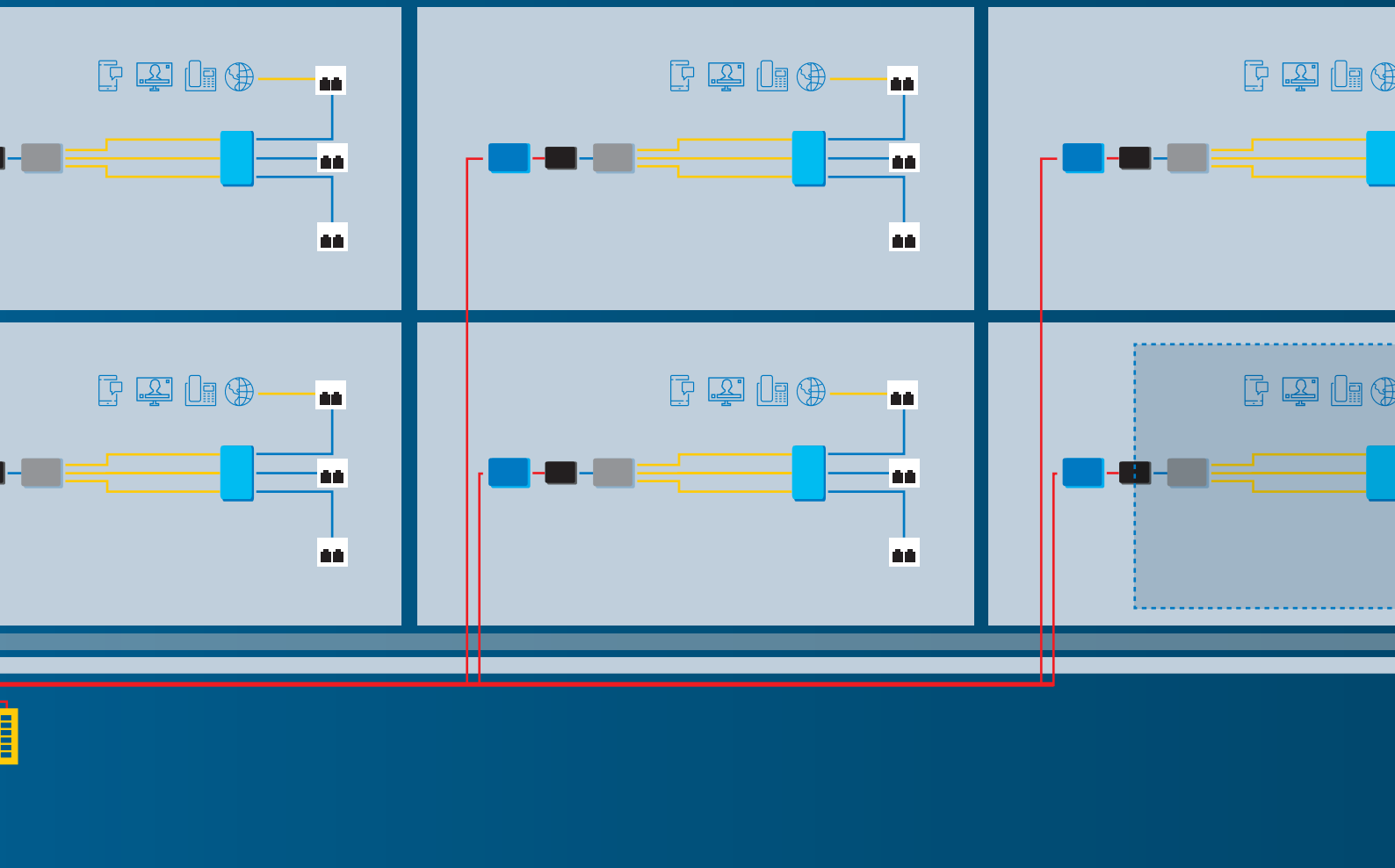
FTB ■

✓ **Expansion as required:** With the modular building distributor FTB, one residential unit after the other can be connected in apartment buildings without affecting the connections that are already in operation.
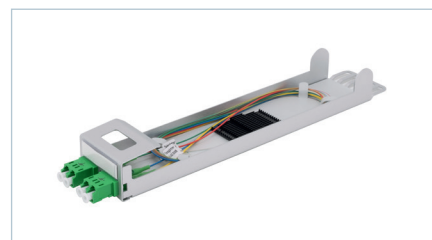
19" FTB module carrier

Ord.nr. H02033A0005 (4U, 60x LC4-Modules)
Ord.nr. H02030A0827 (1U, 10x LC4-Modules)
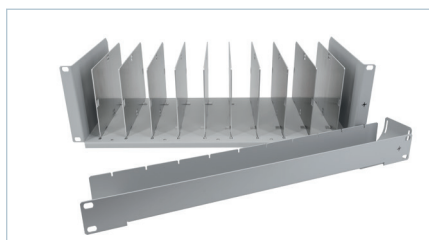
FTB Divided storage panel 3U incl. cable management 1U
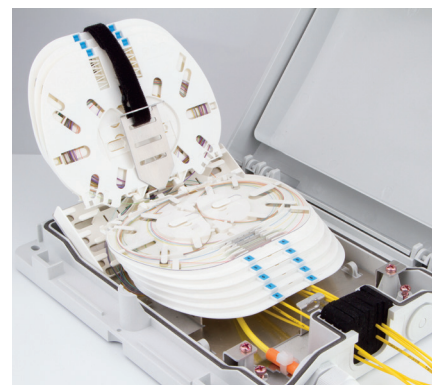
Ord.nr. H02032A0028

FTB 4LC with 2x LC/APC-Duplex green

Ord.nr. H02050A0334

ODB 54 ■

✓ **Works great:** The foldable SC and SE splice cassettes (product 1+2) and the innovative fiber management ensure that the links are not affected during conversions and retrofits, even during operation.

Order number	Description	Remarks
H02050A0282	ODB 54 equipped with 8 SC cassettes (1)	for max. 4 fibers for crimp/shrink splice protection each cassette
H02050A0283	ODB 54 quipped with 4 SE cassettes (2)	for max. 12 fibers for crimp/shrink splice protection each cassette
H02050A0198	ODB 54 equipped with 6x LC/APC duplex adaptors	12x LC/APC pigtails, OS2, green

Copper Cabling

Order number	Description
J00020A0500	Outlet AMJ45 8/8 K Up/50 Cat.6$_A$ alpine white

Order number	Description
L02002A0184	AMJ 1300 S/FTP 4x2xAWG23/1 LSZH; Cat. 7$_A$
L02002A0181	AMJ 1000 S/FTP 4x2xAWG23/1 LSZH; Cat. 7

Order number	Description
J02021A0030	MPD8*-HS K Cat.6$_A$, TH35/AP, alpine white
	*Also available in 6, 12, 16 or 24-fold version

Order number	Description
L00000A0072	Patch cord Cat.6$_A$ MP8 FS 500 LSZH; 0,5 m, grey*
L00000A0130	Patch cord Cat.6$_A$ MP8 FS 500 LSZH; 0,5 m, white*

*Other color and length variants available

Outlet

Copper cable

Distribution panel

Copper patch cord

Router

Pre-assembled outlets can be installed particularly quickly in living spaces: Pull in the cable, mount the outlet, and you are done – without any dirt or noise. Connection work is only required at the building distributor.

OAD/F

✓ **Discreet and practical:** The compact OAD/F outlet can be mounted unobtrusively on the wall or above device mounting boxes.
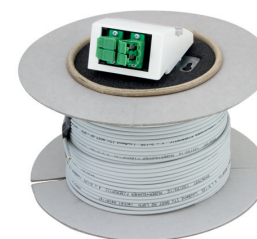
Order number	Description	Type	Length
H02082A0014	FITH OAD/F outlet, pre-assembled with 2 pcs. LC/APC duplex adaptors and 4 pcs. LC/APC plugs	Cable 4 fibers Singlemode	25 m
H02082A0015			50 m
H02082A0016			75 m
H02082A0017			100 m

OAD/S

✓ **Almost a classic:** The design capable OAD/S outlet can be integrated into almost any switching program of well-known manufacturers.

| Order number	Description	Type	Length
H02082A0001	FITH OAD/S outlet, pre-assembled with 2 pcs. LC/APC duplex adaptors and 4 pcs. LC/APC plugs	Cable 4 fibers Singlemode	25 m
H02082A0002			50 m
H02082A0003			75 m
H02082A0004			100 m

OAD/FS

✓ **When the cable already exists:** The OAD/FS outlet can be connected to existing fiber optic cables, offering all the advantages of the OAD/F.

Order number	Description	Remarks
H02050A0327	FITH OAD/FS outlet, splice arranged with 2 pcs. LC/APC duplex adaptors and 4 pigtails OS2	Splice cassette incl. shrink splice protection

Smarter, faster, better:
Our services for you!
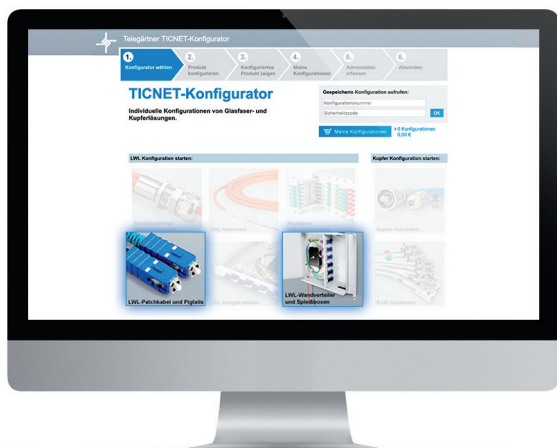
Cable assembly per click

You need individual solutions for your FITH cabling? In our TICNET configurator you will find further possibilities for your desired configuration under the categories „FO patch cords and pigtails" as well as „FO wall boxes".

We will assemble and test the products for you.

telegaertner.com/go/ticnet

Expertise from professionals for professionals!

Find out how to install FITH solutions better and faster in our new Telegärtner Training Center! You will receive valuable practical application tips from our specialists in order to take advantage of the maximum performance of the products.

Interested? Just get in touch with us.

You can reach us by phone at +49 (0) 7157 / 1 25 51 00 or by email at trainingscenter@telegaertner.com

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