



2nd Edition

PRODUCT OVERVIEW

COMPONENTS FOR FTTX CABLING SYSTEMS

Innovative integrated solutions for your high-speed fibre optic networks

FTTX CABLING SYSTEMS

Flexible cost-effective infrastructure solutions are essential for the deployment and expansion of fibre optic networks in subscribers' buildings and homes. At Datwyler we supply you with the appropriate FTTx systems for backbone, access and in-house areas as all-in-one solutions from a single source. With the products on offer here you can enjoy all the benefits of Datwyler technology: top quality, finely coordinated tried and tested components, and innovations which save you time and money, e. g. ultra-thin blown cables, bend-optimised fibres, pre-assembled products and flexible splitting concepts.

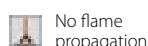
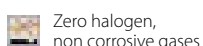


If you wish, we would also be happy to collaborate with our expert partners in providing you with professional business and engineering planning support in the run-up to your project through to turnkey implementation in the passive network area.

If you are interested please don't hesitate to contact us.

Indoor cables		FO Indoor FTTH / I-M(ZN)H 2.2 mm, LSOH				
		FO Indoor FTTH TB / I-V(ZN)H 2.8 mm, LSOH				
Universal cables		FO Universal U-DQ(ZN)BH up to 24 fibres				
		FO Universal U-DQ(ZN)BH up to 144 fibres				
		FO Universal ZGGFR Easy Blow / U-DQ(ZN)BH				
		FO Universal wbGGFR Easy Blow / U-DQ(ZN)BH				
Outdoor cables		FO Outdoor wbKT HP / A-DQ(ZN)B2Y HighP				
		FO Outdoor ZGGT HP / A-DQ(ZN)B2Y HighP				
		FO Outdoor wbGGT HP / A-DQ(ZN)B2Y HighP				
		FO Outdoor ZKT Micro / A-DQ(ZN)2Y up to 24 fibres				
		FO Outdoor wbKT Micro / A-DQ(ZN)2Y up to 144 fibres				
		FO Outdoor wbKT S-Micro / A-DQ(ZN)2Y up to 216 fibres				
Hybrid cable		Hybrid cable CU 7080 4P+2 G.657.A1				

You will find the data sheets at www.cablings.datwyler.com/Products.



FTTH data outlet AP 80 x 80

SC/APC or LCD/APC design

wall mounted, also with surface mounted or recessed housing



Article no.	Description	Colour (similar to)	PU
418606	FTTH data outlet AP 80 x 80 with 1x LCD/APC coupler	white, RAL 9010	1 pc.
418608	FTTH data outlet AP 80 x 80 with 1x LCD/APC coupler, 1x LC/APC pigtail (G.657.A1) 1m, 1x splice holder (418600)	white, RAL 9010	1 pc.
418610	FTTH data outlet AP 80 x 80 with 1x SC/APC coupler	white, RAL 9010	1 pc.
418612	FTTH data outlet AP 80 x 80 with 1x SC/APC coupler, 1x SC/APC pigtail (G.657.A1) 1m, 1x splice holder (418600)	white, RAL 9010	1 pc.

You will find the data sheet and more data outlets/faceplates at www.cabbling.datwyler.com / Products.

Optical distribution frame ODF

19"/47U passive

In FTTx backbone and distribution networks for passive components.

19"/47U active

In FTTx backbone and distribution networks for active components.

Mobile or stationary deployment.

(without door/walls)



DODF passive

DODF active

Article no.	Description	Height (mm)	Width (mm)	Depth (mm)	Colour (similar to)	PU
343000	Optical distribution frame, passive, 19"/47U	2200	1200	800	grey, RAL 7035	1 pc.
343001	Optical distribution frame, passive, 19"/47U	2200	1200	400	grey, RAL 7035	1 pc.
3800407	Optical distribution frame, passive, 19"/47U	2200	1200	300	grey, RAL 7035	1 pc.
343021	Optical distribution frame, active, 19"/47U	2200	800	1000	grey, RAL 7035	1 pc.
343022	Optical distribution frame, active, 19"/47U	2200	800	800	grey, RAL 7035	1 pc.
343023	Optical distribution frame, active, 19"/47U	2200	800	600	grey, RAL 7035	1 pc.
343024	Optical distribution frame, active, 19"/47U	2200	800	400	grey, RAL 7035	1 pc.
3800408	Optical distribution frame, active, 19"/47U	2200	800	300	grey, RAL 7035	1 pc.

Further dimensions - ETSI, for example - on request. When ordering rack combinations please state whether the passive rack is to the right or left of the active rack.

You will find the data sheets at www.cabbling.datwyler.com / Products.

Accessories for Optical distribution frame ODF

passive/active

Article no.	Description	PU
343041	Cable distribution box for fibre optic cable	1 pc.
343042	Horizontal ALU cable management for patching from front to rear	1 pc.
343046	ALU cable management, circular Ø 60 mm, length 220 mm	1 pc.
343047	ALU cable management, semi-circular Ø 60 mm, length 220 mm	1 pc.
343048	Roof without air vents to ODF Optical distribution frame	1 pc.
343049	Roof with air vents to ODF Optical distribution frame	1 pc.
343050	Baseplate with dust filter cartridge	1 pc.
343051	Doors without air vent, 800 mm	1 pc.
343052	Doors with 40% air vent, 800 mm	1 pc.
343053	Doors with 70% air vent, 800 mm	1 pc.
343054	Double door set without air vent, 2x 600 mm	1 pc.
343055	Double door set with 40% air vent, 2x 600 mm	1 pc.
343056	Double door set with 70% air vent, 2x 600mm	1 pc.
343057	Side panel 400 x 2200 mm	1 pc.
343058	Side panel 600 x 2200 mm	1 pc.
343059	Side panel 800 x 2200 mm	1 pc.
343060	Side panel 1000 x 2200 mm	1 pc.
343061	Rear panel 800 x 2200 mm to ODF active	1 pc.
343062	Rear panel 1200 x 2200 mm to ODF passive	1 pc.
343063	19" parking lot, 1U, 24x LCD/APC couplers	1 pc.

More accessories on request.

High-density optical drawer

19"/2U pivoting splice box OV-S
equipped with LC/APC quad adapters



FTTx splice box OV-S



FO splice box OV-A



FO modular subrack OV-BG

FO splice box OV-A

19"/1U, loaded

FO modular subrack OV-BG

19"/3U and 19"/4U

Article no.	Description	Opening	Equipment	Pigtail	Colour	PU
343101	Optical drawer 19"/2U, pivoting	right	LC/APC quad adapters	Fibre G.652.D, colour code white	RAL 7035	1 pc.
343102	Optical drawer 19"/2U, pivoting	right	LC/APC quad adapters	Fibre G.652.D, colour code yellow	RAL 7035	1 pc.
343103	Optical drawer 19"/2U, pivoting	right	LC/APC quad adapters	Fibre G.652.D, colour code Swisscom	RAL 7035	1 pc.
343104	Optical drawer 19"/2U, pivoting	right	LC/APC quad adapters	Fibre G.652.D, colour code D.Telcom	RAL 7035	1 pc.
343105	Optical drawer 19"/2U, pivoting	right	LC/APC quad adapters	Fibre G.652.D, colour code Telcordia	RAL 7035	1 pc.
343121	Optical drawer 19"/2U, pivoting	left	LC/APC quad adapters	Fibre G.652.D, colour code white	RAL 7035	1 pc.
343122	Optical drawer 19"/2U, pivoting	left	LC/APC quad adapters	Fibre G.652.D, colour code yellow	RAL 7035	1 pc.
343123	Optical drawer 19"/2U, pivoting	left	LC/APC quad adapters	Fibre G.652.D, colour code Swisscom	RAL 7035	1 pc.
343124	Optical drawer 19"/2U, pivoting	left	LC/APC quad adapters	Fibre G.652.D, colour code D.Telcom	RAL 7035	1 pc.
343125	Optical drawer 19"/2U, pivoting	left	LC/APC quad adapters	Fibre G.652.D, colour code Telcordia	RAL 7035	1 pc.

Other configurations on request.

Article no.	Description	Loaded with	with ceramic sleeve and	PU
190989	Splice box OV-A, 1U, extractable	6x LSH/APC adapter, green polymer housing	6x LSH/APC pigtail 2m G.652.D	1 pc.
190893	Splice box OV-A, 1U, extractable	12x LSH/APC adapter, green polymer housing	12x LSH/APC pigtail 2m G.652.D	1 pc.
190894	Splice box OV-A, 1U, extractable	24x LSH/APC adapter, green polymer housing	24x LSH/APC pigtail 2m G.652.D	1 pc.
309427	Splice box OV-A, 1U, extractable	2x LCD/APC adapter, green polymer housing	4x LC/APC pigtail 2m G.652.D	1 pc.
309454	Splice box OV-A, 1U, extractable	6x LCD/APC adapter, green polymer housing	12x LC/APC pigtail 2m G.652.D	1 pc.
309455	Splice box OV-A, 1U, extractable	12x LCD/APC adapter, green polymer housing	24x LC/APC pigtail 2m G.652.D	1 pc.
309418	Splice box OV-A, 1U, extractable	24x LCD/APC adapter, green polymer housing	48x LC/APC pigtail 2m G.652.D	1 pc.

Article no.	Description	Dimensions	PU
416980	FO modular subrack (unloaded)	84HP/3U	1 pc.
416907	FO modular subrack (unloaded)	84HP/4U	with cassette for excess cable lengths 1 pc.
416908	FO slide-in module for 6x SCD (fastened by screws)	7HP/3U	with splice tray, without adapters/pigtails 1 pc.
417212	FO slide-in module for 12x LCD (snap-in adapters)	7HP/3U	with splice tray, without adapters/pigtails 1 pc.
416909	FO slide-in module for 12x SC/LSH (fastened by screws)	7HP/3U	with splice tray, without adapters/pigtails 1 pc.
416981	Blank front plate	7HP/3U	for FO modular subrack OV-BG 1 pc.

You will find the data sheet at www.cabling.datwyler.com/Products.

FO patch cords Pigtails



Connector type		Fibre type	Length (m) / Article no.									
Side A	Side B		1m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m
LCD/APC	SCD	G.652.D*	421911	421912	421913	421914	421915	421916	421917	421918	421919	421920
LCD/APC	LCD	G.652.D*	423911	423912	423913	423914	423915	423916	423917	423918	423919	423920
LCD/APC	LSH	G.652.D*	424911	424912	424913	424914	424915	424916	424917	424918	424919	424920
LCD/APC	SCD/APC	G.652.D*	427911	427912	427913	427914	427915	427916	427917	427918	427919	427920
LCD/APC	LSH/APC	G.652.D*	428911	428912	428913	428914	428915	428916	428917	428918	428919	428920
LCD/APC	LCD/APC	G.652.D*	429911	429912	429913	429914	429915	429916	429917	429918	429919	429920

You will find the data sheet and more FO patch cords at www.cabling.datwyler.com/Products.

Connector type	Fibre type	Pigtail 2 m	Set of 12 pigtails 2 m
SC	G.652.D*	421121	421122 (colour code IEC 60304)
LC	G.652.D*	423321	423322 (colour code IEC 60304)
LC/APC	G.652.D*	429921	429922 (colour code IEC 60304)
LSH	G.652.D*	424421	424422 (colour code IEC 60304)
FC/PC	G.652.D*	425521	425522 (colour code IEC 60304)
SC/APC	G.652.D*	427721	427722 (colour code IEC 60304)
LSH/APC	G.652.D*	428821	428822 (colour code IEC 60304)

* also available with G.657.A1 on request.

You will find the data sheets at www.cabling.datwyler.com/Products.

FO distribution box 01

The fibre optic distribution box 01 is the FO termination point in the building. For one-family or multi-family houses and small office blocks.



Article no.	Description	PU
344705	FO distribution box 01 with 1 coupler LC/APC quad and with 4x pigtail G.657.A1 - LC/APC, ready-to-splice, with lock	1 pc.
344706	FO distribution box 01 with 2 couplers LC/APC quad and with 8x pigtail G.657.A1 - LC/APC, ready-to-splice, with lock	1 pc.
344707	FO distribution box 01 with 3 couplers LC/APC quad and with 12x pigtail G.657.A1 - LC/APC, ready-to-splice, with lock	1 pc.
344708	FO distribution box 01 with 2 couplers SC/APC duplex and with 4x pigtail G.657.A1 - SC/APC, ready-to-splice, with lock	1 pc.
344709	FO distribution box 01 with 4 couplers SC/APC duplex and with 8x pigtail G.657.A1 - SC/APC, ready-to-splice, with lock	1 pc.
344710	FO distribution box 01 with 6 couplers SC/APC duplex and with 12x pigtail G.657.A1 - SC/APC, ready-to-splice, with lock	1 pc.

Other configurations on request.

FO splice closures and splice trays



Article no.	Description	Splice capacity	Length (mm)	Diameter (mm)	PU
345000	FO splice closure FDN-IR, unloaded length A	up to 144 fibres	455	222 x 312	1 pc.
345001	FO splice closure FDN-IR, unloaded length AB	up to 288 fibres	561	222 x 312	1 pc.
345002	FO splice closure FDN-IR, unloaded length B	up to 576 fibres	663	222 x 312	1 pc.
345003	FO splice closure FDN-IR, unloaded length C	up to 864 fibres	789	222 x 312	1 pc.
345004	FO splice closure UFC-IR, unloaded length C	up to 1440 fibres	749	275 x 310	1 pc.
345005	FO splice closure UFC, unloaded length C Cablelok™	up to 1152 fibres	750	275 x 310	1 pc.
345006	FO splice closure UFC, unloaded length C shrink	up to 1152 fibres	750	275 x 310	1 pc.

Please note that the maximum splice capacity depends on the respective number of splice trays. Splice trays to be ordered separately.

Accessories	Description	PU
345025	Splice trays IR, single circuit, 1 set = 12 pcs.	1 set
345026	Splice trays IR, single element, without splice protection holder, 1 set = 6 pcs.	1 set
345027	Splice trays IR, single element, with 2x 4 ribbon splice protection holder, 1 set = 6 pcs.	1 set
345028	Splice trays IR, single element, with 2x 6 shrink splice protection holder, 1 set = 6 pcs.	1 set
345029	Splice trays IR, single element, with 2x 12 ANT splice protection holder, 1 set = 6 pcs.	1 set

You will find the data sheets at www.cabbling.datwyler.com / Products.

Cablelok™ is a registered trademark of HellermannTyton

FTTx outdoor distributors

Street-side cable branch cabinets

Datwyler can supply ready-to-use pre-assembled FTTx outdoor distributors on request, in sizes to meet your requirements and with 19-inch or ETSI mounting dimensions. These street-side cable branch cabinets can be equipped step by step, i.e. in parallel to network expansion, with housings for splicing, patching or transit splicing applications. When these models are used additional expansion costs are only incurred if new ports are needed.



Panorama CablingView

Software tool for planning and documenting your cabling infrastructure

This software solution enables you to carry out simple graphic planning and fast, clear, easily-to-understand "live" documentation of all the components in the cabling system itself and their interrelationships, as well as of the components and devices connected to them. For further information please visit www.cabbling.datwyler.com / Products.

Network racks

19"/25U and 19"/43U

Server racks

19"/24U and 19"/42U

Mini rack

19"/18U



Mini rack

Network racks

Server racks

Article no.	Description	Colour (similar to)	PU
309214	Network rack PX 19"/25U 1300 x 600 x 800 mm	grey, RAL 7035	1 pc.
309215	Network rack PX 19"/43U 2100 x 800 x 800 mm	grey, RAL 7035	1 pc.
309216	Network rack PX 19"/43U 2100 x 800 x 1000 mm	grey, RAL 7035	1 pc.
190825	Server rack SP 19"/42U 2100 x 800 x 1000 mm	black, RAL 9005	1 pc.
190826	Server rack SP 19"/42U 2100 x 600 x 1000 mm	black, RAL 9005	1 pc.
190827	Server rack SP 19"/24U 1300 x 600 x 1000 mm	black, RAL 9005	1 pc.
190834	Mini rack 19"/18U 910 x 570 x 600 mm	grey, RAL 7035	1 pc.

You will find the data sheets and more racks at www.cabling.datwyler.com / Products.

Pre-assembled fibre optic cables

The pre-assembly of FO cables enables customers to work with ready-to-install fibre optic multiple cables (trunks) in the requested lengths and types.

The trunks are made to customer specifications under laboratory conditions.

You will find the data sheets at www.cabling.datwyler.com / Products.



Turnkey fiber optic distribution stations (PoPs) for FTTH and telecoms networks

Datwyler collaborates with certified partner companies to provide you with reliable, fully equipped fiber optic distribution stations from a single source. We fit the PoPs with all the facilities and systems needed to meet your requirements. Once produced by skilled professionals, the fully equipped stations are transported to the relevant site and set up. Immediately after delivery you can start terminating fiber optic links in order to establish the requisite connections promptly.



We will be happy to advise you!

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