

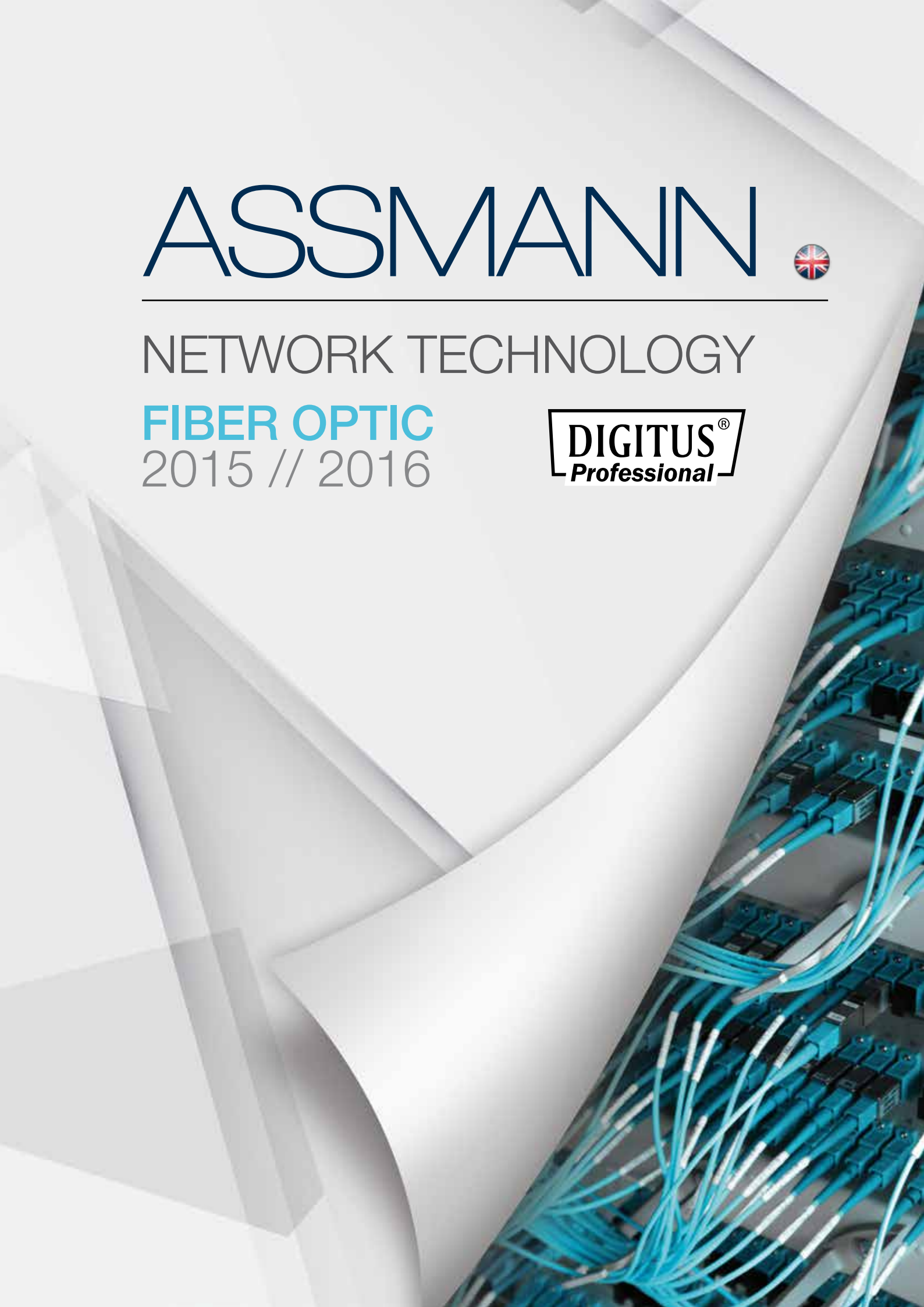
ASSMANN



NETWORK TECHNOLOGY

FIBER OPTIC

2015 // 2016



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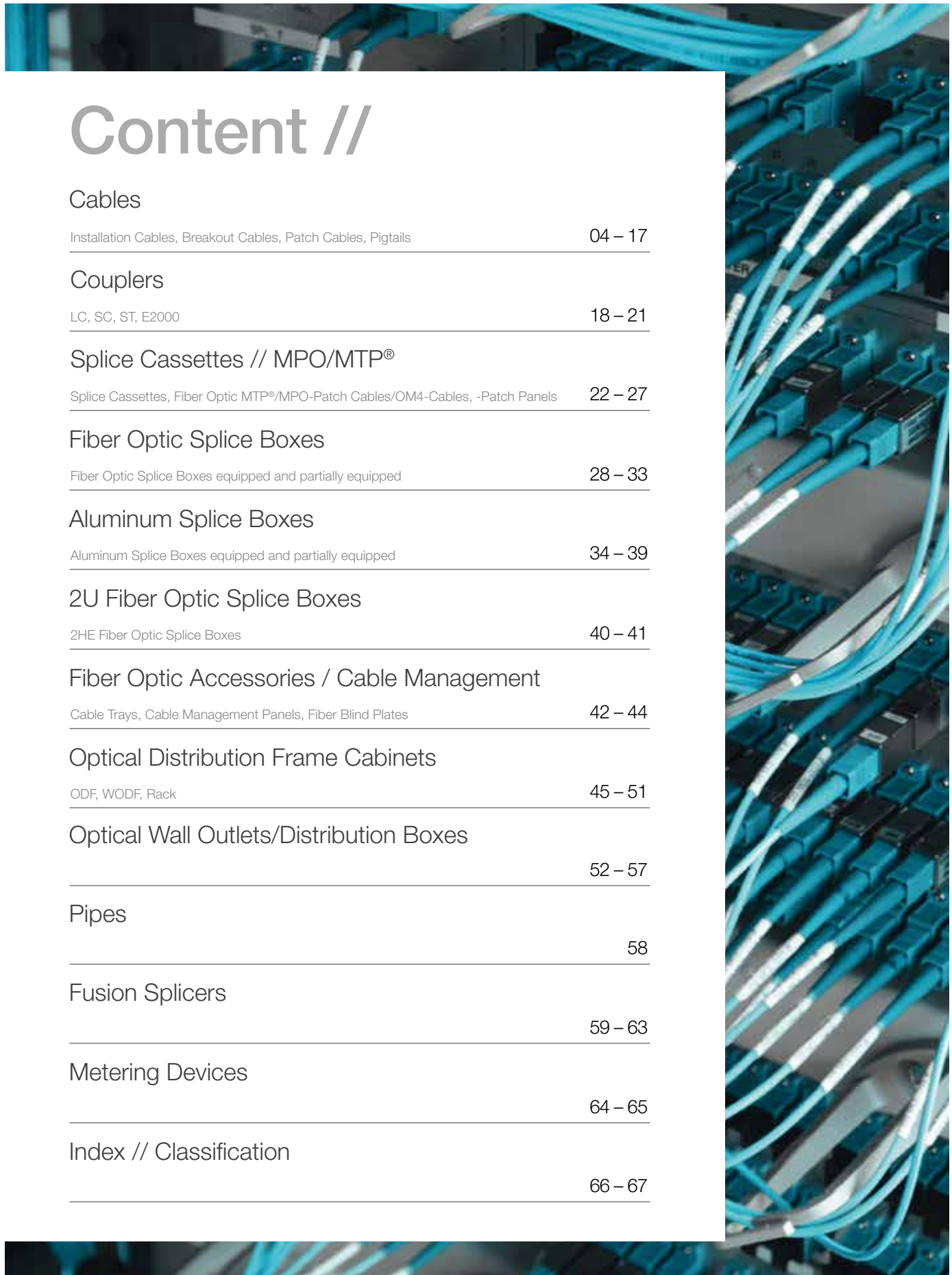
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Introduction //

How the telephone paved the way for fiber optic transmission

The first efforts to transmit information through the air began immediately after the invention of the telephone. By 1870, John Tyndall and Alexander Bell had begun to conduct research in the subject. Tyndall's first experiments were to transmit information by means of light through a jet of water. Bell succeeded in transmitting information over a distance of 200 meters using a mirror, a selenium cell and a membrane-modulated beam of light. Today this is known as the beginning of optical radio relay.

Earlier medical technology used flexible optical fiber to illuminate internal organs. In 1965, Manfred Börner transmitted information over a greater distance using a laser diode, optical fiber and a photo-diode. Because of this solution and further improvements in materials, nearly loss-free transmission is now possible. Today a global fiber-optic network spans the Earth. An ever-increasing number of office buildings and homes are connected with optical fibers.

Optical fiber technology in an increasingly interconnected world

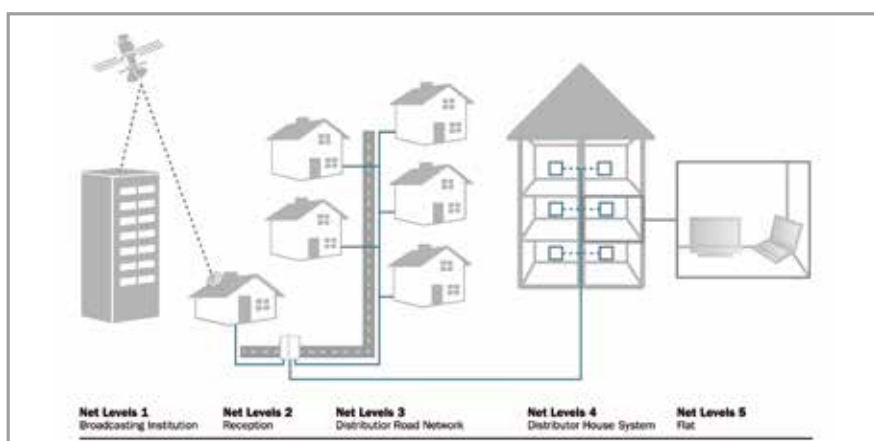
The economy and society are on the verge of the so-called "fourth revolution". Because of the continuing growth of Internet usage, the real and virtual worlds are merging into the "Internet of things". Industry is becoming increasingly digitized in order to control and monitor the entire value chain in real time. For this to happen, however, optimum conditions must be present. Despite technical progress, copper-based XDSL connections are reaching their limit with the enormous growth in demand for high-speed Internet. Optical fiber offers the technical requirements to handle increasing data rates, even in the future.

Advantages of optical fiber technology

Data transmission via optical fiber is not sensitive to interference from electromagnetic fields. Moreover, data transfer is secure and has no cross-talk. Grounding and surge protection are not necessary with optical fiber. For use in buildings, the smaller footprint and reduced fire risk—compared to copper cables—are particularly noteworthy.

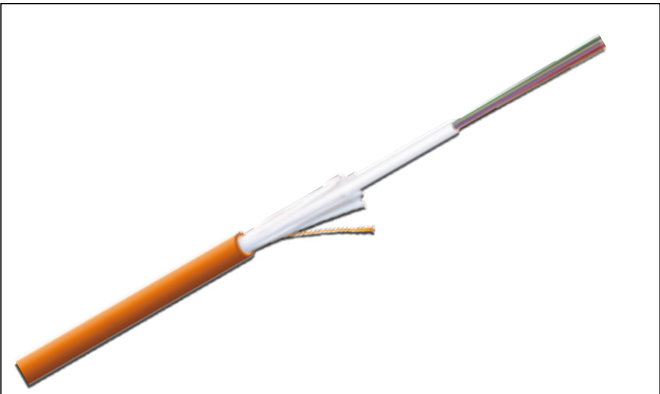
Optical fiber technology for all network levels

The DIGITUS® Professional portfolio offers a comprehensive range of products and solutions for every network level according to individual needs—from broadcasters to living rooms and offices.



Installation Cables

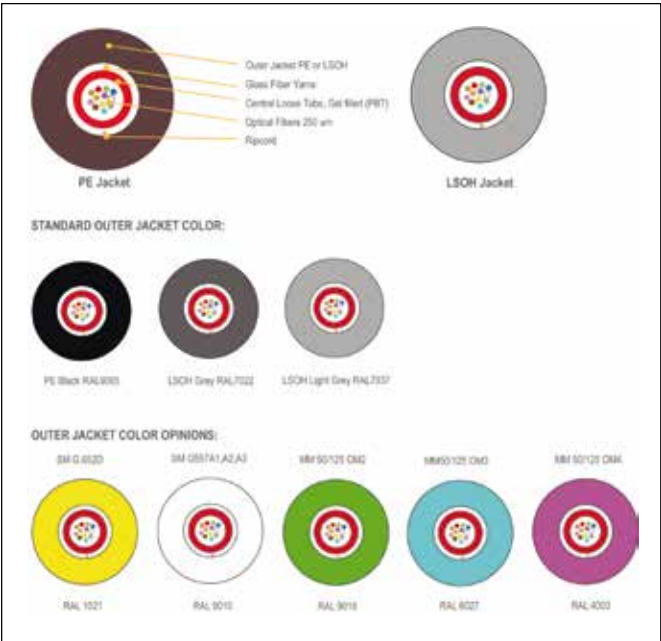
For the professional installation of optical fiber cables DIGITUS® Professional offers a wide range of different types of installation cables. The DIGITUS® Professional product range supplies all cable types, whether with 4, 8 12, or 24 fibers or in different qualities as OM1, OM2, OM3, OM4 and OS2. The halogen-free installation cables comply with the fire protection regulations for buildings.



DIGITUS® Professional universal installation cable are equipped with a halogen-free sheathing. Cable for outdoor use are supplied with a PE sheathing.

The product range provides cable with 4, 8, 12, and 24 fibers and includes the fiber qualities OM1, OM2, OM3, OM4 and OS2.

These can be installed in indoor and outdoor areas. For the exclusive outdoor installation cables with PE sheathing are used. We only work together with the best fiber suppliers; therefore the DIGITUS® Professional cables guarantee highest performance and reliability.



Please use our configurator for Installation Cables.
Write us an E-Mail or give us a call and we will send the configurator to you.

Mechanical Features	
Pulling force:	1800 N
Cross strength:	Constantly 200 N/cm, temporary 500 N/cm
Rodent protection	
Dry interstices	
Metal-free	
Bending radius:	At least 20x outer diameter
Optical Features	
The cables are available in different types of fibers	
Thermal Features	
Storage temperature:	-30° C / +70° C
Install temperature:	-10° C / +50° C
Operating temperature:	-30° C / +70° C
Scope of Delivery and Packaging	
Outer cable on a ring or one-way drum	

Universal Installation Cables

Solide, metal-free fiber optic cables for the inner and outer installation with bundle cores. High cross strength due to the glass filament. Two colored for an

easy identification of the thread and safe opening of the cable sheath. Flame-retardant and halogen-free design with FR/LSOH sheathing.

Mechanical Features	
Pulling force:	1000 N
Cross strength:	Constantly 200 N/cm, temporary 500 N/cm
Rodent protection	
Flame-retardant	
Dry interstices	
Metal-free	
Optical Features	
The cables are available in different types of fibers	
Thermal Features	
Storage temperature:	-25° C / +70° C

Mechanical Features	
Pulling force:	6000 N
Cross strength:	Constantly 300 N/cm, temporary 500 N/cm
Rodent protection	
Flame-retardant	
Dry interstices	
Metal-free	
Scope of Delivery and Packaging	
Outer cable on a ring or one-way drum	

Description	Number of Fibers	Article Number			
FO Universal U-DQ(ZN)BH (Cross strength: 1000 N)		G50/125 µm	G50/125 µm	G50/125 µm	E9/125 µm
		OM2	OM3	OM4	OS2
	4	DK-35042-U	DK-35042/3-U	DK-35042/4-U	---
	6	DK-35062-U	DK-35062/3-U	DK-35062/4-U	---
	8	DK-35082-U	DK-35082/3-U	DK-35082/4-U	---
	12	DK-35122-U	DK-35122/3-U	DK-35122/4-U	DK-29122-A
	24	DK-35242-U	DK-35242/3-U	DK-35242/4-U	DK-29242-A

Outdoor Installation Cables

Solide, metal-free installation cables for the outer installation in central wire constructions. High cross strength for a high transmission reliability. Easy to install and rodent protection due to glass filament.

Two colored for an easy identification of the thread and safe opening of the cable sheath. HDPE-sheath for a stable pipe.

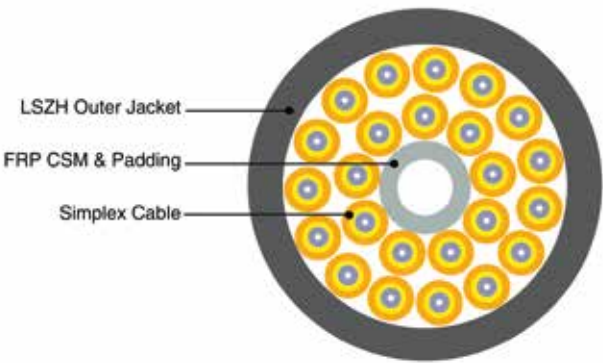
Mechanical Features	
Pulling force:	2500 N
Cross strength:	600 N/cm, temporary 1000 N/cm
Rodent protection	
Flame-retardant	
Dry interstices	
Metal-free	
Scope of Delivery and Packaging	
Outer cable on a ring or one-way drum	

Optical Features	
The cables are available in different types of fibers	
Thermal Features	
Storage temperature:	-40° C / +70° C
Install temperature:	-10° C / +50° C
Operating temperature:	-40° C / +60° C

Description	Number of Fibers	Article Number			
FO Universal A-DQ(ZN)B2Y (Cross strength: 6000 N)		G50/125 µm	G50/125 µm	G50/125 µm	E9/125 µm
		OM2	OM3	OM4	OS2
	4	DK-35042-A	DK-35042/3-A	DK-35042/4-A	---
	6	DK-35062-A	DK-35062/3-A	DK-35062/4-A	---
	8	DK-35082-A	DK-35082/3-A	DK-35082/4-A	---
	12	DK-35122-A	DK-35122/3-A	DK-35122/4-A	DK-29122-U
	24	DK-35242-A	DK-35242/3-A	DK-35242/4-A	DK-29242-U
	48	DK-35422-A	DK-35422/3-A	DK-35242/4-A	---

Breakout Fiber Optic Cables

Optronics breakout cables are constructed of up to 24.2 mm simplex cables stranded around a central strength member. Each simplex has its own aramid yarn strength member and jacket. These sub units are wrapped in a polyester tape and jacketed in LSZH.



- Individual high strength aramid yarn strength members for ease of handling
- Easy to use
- Lightweight and compact
- LSZH jacket

DESCRIPTION		4 CORE LSZH	6 CORE LSZH	8 CORE LSZH	12 CORE LSZH	24 CORE LSZH
Outer Diameter	mm	7.0	8.2	9.4	11.8	14.1
Weight	kg/km	46	63	86	139	159
Max. Load (installation)	N	500	1000	1100	1400	2300
Max. Load (installed)	N	270	600	700	800	1100
Min. Bend Radius (installation)	mm	140	160	190	240	280
Min. Bend Radius (installed)	mm	70	80	95	120	140
Fire Performance					LSZH	LSZH
Operating Temp.	°C	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60
Storage Temp.	°C	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60
Installation Temp.	°C	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60
Crush Resistance	N/100mm	1000	1000	1000	1000	1000



Breakout Fiber Optic Cables



Please use our configurator for Breakout Cables.
Write us an E-Mail or give us a call and we will send the configurator to you.

Singlemode Breakout Cables // SM G.65

1. connector	4 fibers	6 fibers	12 fibers	24 fibers	2. connector
SC	DK-B290420-XX	DK-B290620-XX	DK-B291220-XX	DK-B292420-XX	-
SC	DK-B290422-XX	DK-B290622-XX	DK-B291222-XX	DK-B292422-XX	SC
LC	DK-B290430-XX	DK-B290630-XX	DK-B291230-XX	DK-B292430-XX	-
LC	DK-B290433-XX	DK-B290633-XX	DK-B291233-XX	DK-B292433-XX	LC
E 2000	DK-B290440-XX	DK-B290640-XX	DK-B291240-XX	DK-B292440-XX	-
E 2000	DK-B290444-XX	DK-B290644-XX	DK-B291244-XX	DK-B292444-XX	E 2000
ST	DK-B290410-XX	DK-B290610-XX	DK-B291210-XX	DK-B292410-XX	-
ST	DK-B290411-XX	DK-B290611-XX	DK-B291211-XX	DK-B292411-XX	ST
FC	DK-B290450-XX	DK-B290650-XX	DK-B291250-XX	DK-B292450-XX	-
FC	DK-B290455-XX	DK-B290655-XX	DK-B291255-XX	DK-B292455-XX	FC

Multimode Breakout Cables // 50/125 OM2

1. connector	4 fibers	6 fibers	12 fibers	24 fibers	2. connector
SC / PC	DK-B250420-XX	DK-B250620-XX	DK-B251220-XX	DK-B251220-XX	-
SC / PC	DK-B250422-XX	DK-B250622-XX	DK-B251222-XX	DK-B251222-XX	SC / PC
LC / PC	DK-B250430-XX	DK-B250630-XX	DK-B251230-XX	DK-B251230-XX	-
LC / PC	DK-B250433-XX	DK-B250633-XX	DK-B251233-XX	DK-B251233-XX	LC / PC
E 2000 / PC	DK-B250440-XX	DK-B250640-XX	DK-B251240-XX	DK-B251240-XX	-
E 2000 / PC	DK-B250444-XX	DK-B250644-XX	DK-B251244-XX	DK-B251244-XX	E 2000 / PC
ST / PC	DK-B250410-XX	DK-B250610-XX	DK-B251210-XX	DK-B251210-XX	-
ST / PC	DK-B250411-XX	DK-B250611-XX	DK-B251211-XX	DK-B251211-XX	ST / PC
FC / PC	DK-B250450-XX	DK-B250650-XX	DK-B251250-XX	DK-B251250-XX	-
FC / PC	DK-B250455-XX	DK-B250655-XX	DK-B251255-XX	DK-B251255-XX	FC / PC

Please use the length of the cable from connector to connector instead of the xx in the part number.

Multimode Breakout Cables // 50/125 OM3

1. connector	4 fibers	6 fibers	12 fibers	24 fibers	2. connector
SC / PC	DK-B250420-XX/3	DK-B250620-XX/3	DK-B251220-XX/3	DK-B251220-XX/3	-
SC / PC	DK-B250422-XX/3	DK-B250622-XX/3	DK-B251222-XX/3	DK-B251222-XX/3	SC / PC
LC / PC	DK-B250430-XX/3	DK-B250630-XX/3	DK-B251230-XX/3	DK-B251230-XX/3	-
LC / PC	DK-B250433-XX/3	DK-B250633-XX/3	DK-B251233-XX/3	DK-B251233-XX/3	LC / PC
E 2000 / PC	DK-B250440-XX/3	DK-B250640-XX/3	DK-B251240-XX/3	DK-B251240-XX/3	-
E 2000 / PC	DK-B250444-XX/3	DK-B250644-XX/3	DK-B251244-XX/3	DK-B251244-XX/3	E 2000 / PC
ST / PC	DK-B250410-XX/3	DK-B250610-XX/3	DK-B251210-XX/3	DK-B251210-XX/3	-
ST / PC	DK-B250411-XX/3	DK-B250611-XX/3	DK-B251211-XX/3	DK-B251211-XX/3	ST / PC
FC / PC	DK-B250450-XX/3	DK-B250650-XX/3	DK-B251250-XX/3	DK-B251250-XX/3	-
FC / PC	DK-B250455-XX/3	DK-B250655-XX/3	DK-B251255-XX/3	DK-B251255-XX/3	FC / PC

Multimode Breakout Cables // 50/125 OM4

1. connector	4 fibers	6 fibers	12 fibers	24 fibers	2. connector
SC / PC	DK-B250420-XX/4	DK-B250620-XX/4	DK-B251220-XX/4	DK-B251220-XX/4	-
SC / PC	DK-B250422-XX/4	DK-B250622-XX/4	DK-B251222-XX/4	DK-B251222-XX/4	SC / PC
LC / PC	DK-B250430-XX/4	DK-B250630-XX/4	DK-B251230-XX/4	DK-B251230-XX/4	-
LC / PC	DK-B250433-XX/4	DK-B250633-XX/4	DK-B251233-XX/4	DK-B251233-XX/4	LC / PC
E 2000 / PC	DK-B250440-XX/4	DK-B250640-XX/4	DK-B251240-XX/4	DK-B251240-XX/4	-
E 2000 / PC	DK-B250444-XX/4	DK-B250644-XX/4	DK-B251244-XX/4	DK-B251244-XX/4	E 2000 / PC
ST / PC	DK-B250410-XX/4	DK-B250610-XX/4	DK-B251210-XX/4	DK-B251210-XX/4	-
ST / PC	DK-B250411-XX/4	DK-B250611-XX/4	DK-B251211-XX/4	DK-B251211-XX/4	ST / PC
FC / PC	DK-B250450-XX/4	DK-B250650-XX/4	DK-B251250-XX/4	DK-B251250-XX/4	-
FC / PC	DK-B250455-XX/4	DK-B250655-XX/4	DK-B251255-XX/4	DK-B251255-XX/4	FC / PC

Multimode Breakout Cables // 50/125 OM2

1. connector	4 fibers	6 fibers	12 fibers	24 fibers	2. connector
SC	DK-B250421-XX	DK-B250621-XX	DK-B251221-XX	DK-B251221-XX	ST
SC	DK-B250423-XX	DK-B250623-XX	DK-B251223-XX	DK-B251223-XX	LC
SC	DK-B250434-XX	DK-B250634-XX	DK-B251234-XX	DK-B251234-XX	E 2000
LC	DK-B250431-XX	DK-B250631-XX	DK-B251231-XX	DK-B251231-XX	ST
LC	DK-B250434-XX	DK-B250634-XX	DK-B251234-XX	DK-B251234-XX	E 2000

Multimode Breakout Cables // 50/125 OM3

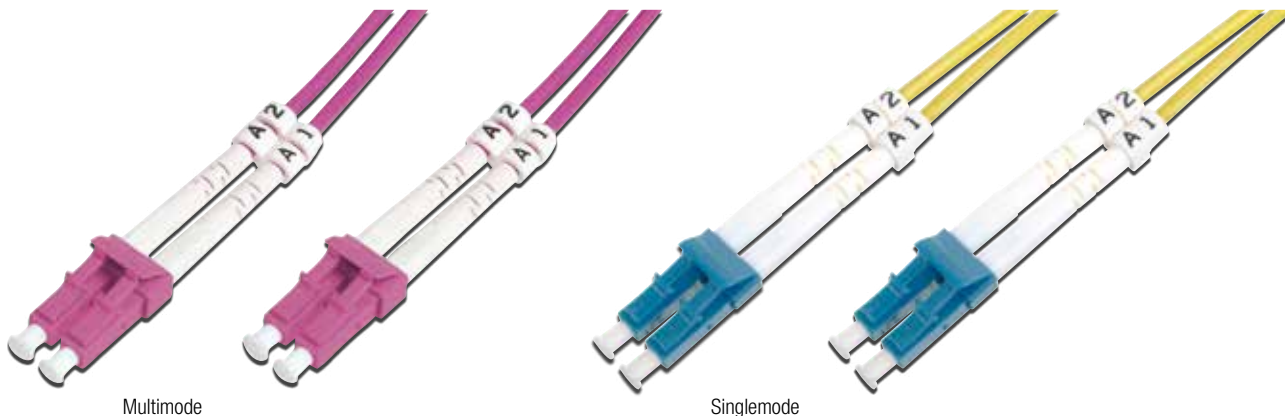
1. connector	4 fibers	6 fibers	12 fibers	24 fibers	2. connector
SC	DK-B250421-XX/3	DK-B250621-XX/3	DK-B251221-XX/3	DK-B251221-XX/3	ST
SC	DK-B250423-XX/3	DK-B250623-XX/3	DK-B251223-XX/3	DK-B251223-XX/3	LC
SC	DK-B250434-XX/3	DK-B250634-XX/3	DK-B251234-XX/3	DK-B251234-XX/3	E 2000
LC	DK-B250431-XX/3	DK-B250631-XX/3	DK-B251231-XX/3	DK-B251231-XX/3	ST
LC	DK-B250434-XX/3	DK-B250634-XX/3	DK-B251234-XX/3	DK-B251234-XX/3	E 2000

Multimode Breakout Cables // 50/125 OM4

1. connector	4 fibers	6 fibers	12 fibers	24 fibers	2. connector
SC	DK-B250421-XX/4	DK-B250621-XX/4	DK-B251221-XX/4	DK-B251221-XX/4	ST
SC	DK-B250423-XX/4	DK-B250623-XX/4	DK-B251223-XX/4	DK-B251223-XX/4	LC
SC	DK-B250434-XX/4	DK-B250634-XX/4	DK-B251234-XX/4	DK-B251234-XX/4	E 2000
LC	DK-B250431-XX/4	DK-B250631-XX/4	DK-B251231-XX/4	DK-B251231-XX/4	ST
LC	DK-B250434-XX/4	DK-B250634-XX/4	DK-B251234-XX/4	DK-B251234-XX/4	E 2000

Please use the length of the cable from connector to connector instead of the xx in the part number.

Duplex Patch Cables LC-LC



Multimode

Singlemode

Mechanical Features

Connector:	Ceramic ferrule
Construction:	LC (IEC 61754-20)
Bending protection:	Two colored
Cable:	(3x6 mm) ± 0.2 mm I-VH Zipcord, halogen-free
Pulling force:	Aramid (Kevlar)
Plug cycles:	≥ 1000

Scope of Delivery and Packaging

Packed in polybag with measurement report

Optical Features

IL at Multimode:	max. 0.4 dB
IL at Singlemode:	max. 0.5 dB (PC); max. 0.3 dB (APC)
RL at Multimode:	min. 30 dB
RL at Singlemode:	min. 40 dB (PC); min. 60 dB (APC)

Thermal Features

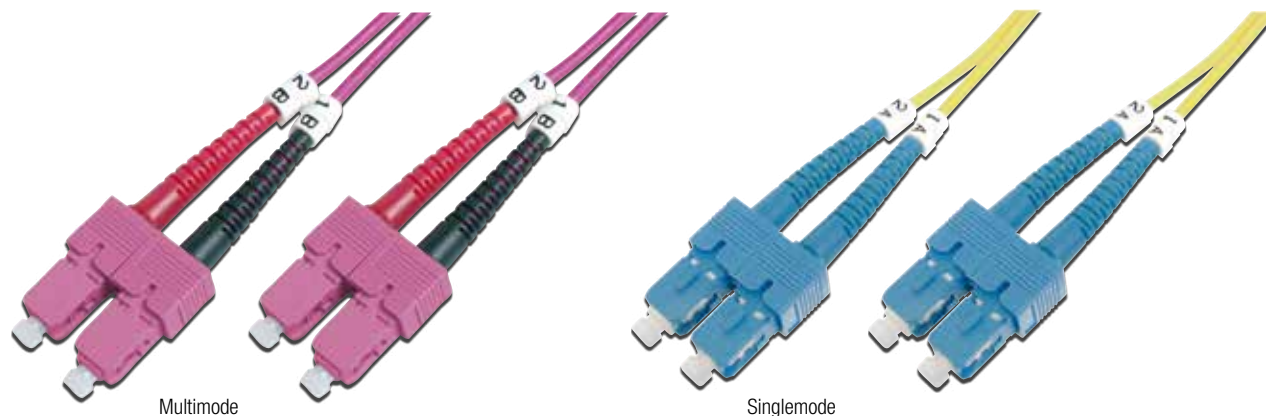
Operating temperature:	-5° C / +55° C
Storage temperature:	-30° C / +70° C

	Multimode OM2 - 50/125 µ	Multimode OM3 - 50/125 µ	Singlemode 9/125 µ PC/PC	Multimode OM4 - 50/125 µ	Singlemode 9/125 µ APC/APC	Singlemode 9/125 µ PC/APC
1,0 m	249030 / DK-2533-01	248859 / DK-2533-01/3	248910 / DK-2933-01	308799 / DK-2533-01-4	309093 / DK-293LCA3LCA-01	309147 / DK-293LCA3LC-01
2,0 m	249054 / DK-2533-02	248866 / DK-2533-02/3	248927 / DK-2933-02	308805 / DK-2533-02-4	309086 / DK-293LCA3LCA-02	309154 / DK-293LCA3LC-02
3,0 m	249047 / DK-2533-03	248873 / DK-2533-03/3	248934 / DK-2933-03	308812 / DK-2533-03-4	309109 / DK-293LCA3LCA-03	309161 / DK-293LCA3LC-03
5,0 m	249061 / DK-2533-05	248880 / DK-2533-05/3	248941 / DK-2933-05	308829 / DK-2533-05-4	309116 / DK-293LCA3LCA-05	309178 / DK-293LCA3LC-05
7,0 m	249078 / DK-2533-07	248897 / DK-2533-07/3	248958 / DK-2933-07	308836 / DK-2533-07-4	309123 / DK-293LCA3LCA-07	309185 / DK-293LCA3LC-07
10,0 m	249085 / DK-2533-10	248903 / DK-2533-10/3	248965 / DK-2933-10	308843 / DK-2533-10-4	309130 / DK-293LCA3LCA-10	309192 / DK-293LCA3LC-10

Description	Article Number			
Patch cable LC to LC	G50/125 µm	G50/125 µm	G50/125 µm	E9/125 µm
	OM2	OM3	OM4	OS2
	DK-2533-xx	DK-2533-xx/3	DK-2533-xx-4	DK-2933-xx

Choose a length for the xx within the article number. For example 5 m OM3 = DK-2533-05/3

Duplex Patch Cables SC-SC



Multimode

Singlemode

Mechanical Features

Connector:	Ceramic ferrule
Construction:	SC (IEC 61754-4)
Bending protection:	Two colored
Cable:	(3x6 mm) ± 0.2 mm I-VH Zipcord, halogen-free
Pulling force:	Aramid (Kevlar)
Plug cycles:	≥ 1000

Scope of Delivery and Packaging

Packed in polybag with measurement report

Optical Features

IL at Multimode:	max. 0.4 dB
IL at Singlemode:	max. 0.5 dB (PC); max. 0.3 dB (APC)
RL at Multimode:	min. 30 dB
RL at Singlemode:	min. 40 dB (PC); min. 60 dB (APC)

Thermal Features

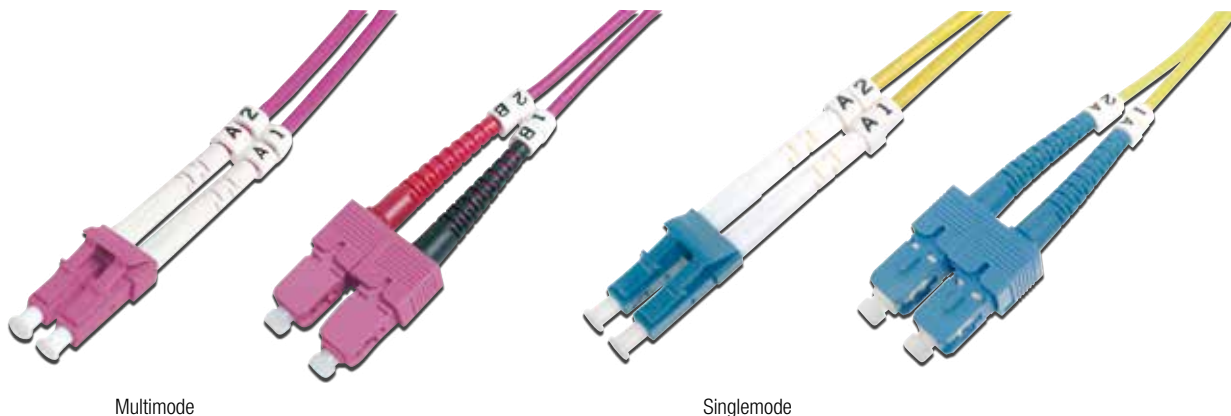
Operating temperature:	-5° C / +55° C
Storage temperature:	-30° C / +70° C

	Multimode OM2 - 50/125 µ	Multimode OM3 - 50/125 µ	Singlemode 9/125 µ PC/PC	Multimode OM4 - 50/125 µ	Singlemode 9/125 µ APC/APC	Singlemode 9/125 µ PC/APC
1,0 m	248392 / DK-2522-01	248538 / DK-2522-01/3	248736 / DK-2922-01	308850 / DK-2522-01-4	308973 / DK-292SCA2SCA-01	309031 / DK-292SCA2SC-01
2,0 m	248408 / DK-2522-02	248545 / DK-2522-02/3	248743 / DK-2922-02	308867 / DK-2522-02-4	308980 / DK-292SCA2SCA-02	309451 / DK-292SCA2SC-02
3,0 m	248415 / DK-2522-03	248552 / DK-2522-03/3	248750 / DK-2922-03	308874 / DK-2522-03-4	308997 / DK-292SCA2SCA-03	309048 / DK-292SCA2SC-03
5,0 m	248422 / DK-2522-05	248569 / DK-2522-05/3	248767 / DK-2922-05	308881 / DK-2522-05-4	309000 / DK-292SCA2SCA-05	309055 / DK-292SCA2SC-05
7,0 m	248446 / DK-2522-07	248576 / DK-2522-07/3	248774 / DK-2922-07	308898 / DK-2522-07-4	309017 / DK-292SCA2SCA-07	309062 / DK-292SCA2SC-07
10,0 m	248453 / DK-2522-10	248729 / DK-2522-10/3	248781 / DK-2922-10	308904 / DK-2522-10-4	309024 / DK-292SCA2SCA-10	309079 / DK-292SCA2SC-10

Description	Article Number			
Patch cable SC to SC	G50/125 µm	G50/125 µm	G50/125 µm	E9/125 µm
	OM2	OM3	OM4	OS2
	DK-2522-xx	DK-2522-xx/3	DK-2522-xx-4	DK-2922-xx

Choose a length for the xx within the article number. For example 5 m OM3 = DK-2522-05/3

Duplex Patch Cables LC-SC



Multimode

Singlemode

Mechanical Features

Connector:	Ceramic ferrule
Construction:	LC (IEC 61754-20) - SC (IEC 61754-4)
Bending protection:	Two colored
Cable:	(3x6 mm) ± 0.2 mm I-VH Zipcord, halogen-free
Pulling force:	Aramid (Kevlar)
Plug cycles:	≥ 1000

Scope of Delivery and Packaging

Packed in polybag with measurement report

Optical Features

IL at Multimode:	max. 0.4 dB
IL at Singlemode:	max. 0.5 dB (PC); max. 0.3 dB (APC)
RL at Multimode:	min. 30 dB
RL at Singlemode:	min. 40 dB (PC); min. 60 dB (APC)

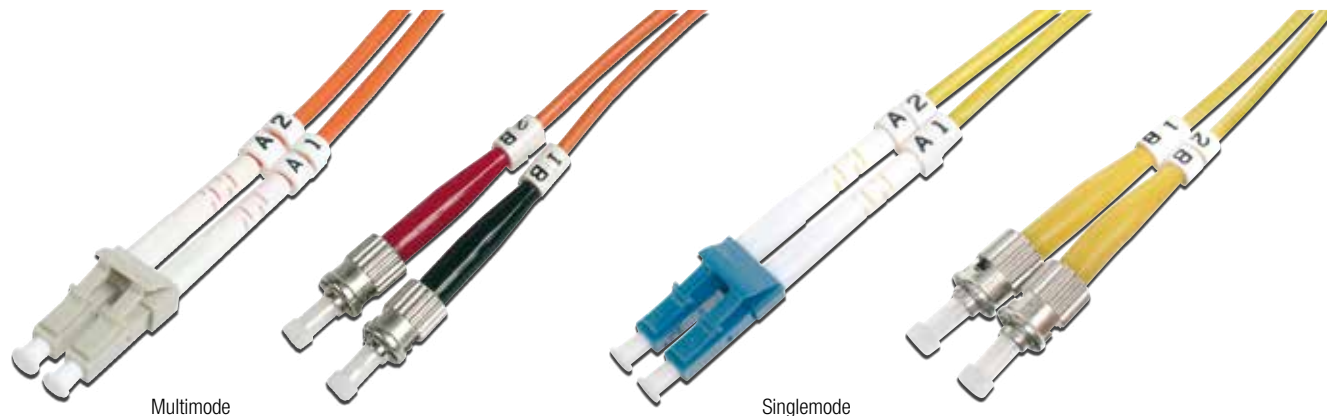
Thermal Features

Operating temperature:	-5° C / +55° C
Storage temperature:	-30° C / +70° C

	Multimode OM2 - 50/125 µ	Multimode OM3 - 50/125 µ	Singlemode 9/125 µ PC/PC	Multimode OM4 - 50/125 µ	Singlemode 9/125 µ APC/APC	Singlemode 9/125 µ SC/APC; LC/PC
1,0 m	249399 / DK-2532-01	249566 / DK-2532-01/3	249634 / DK-2932-01	308911 / DK-2532-01-4	309208 / DK-292SCA3LCA-01	309260 / DK-292SCA3LC-01
2,0 m	249405 / DK-2532-02	249580 / DK-2532-02/3	249641 / DK-2932-02	308928 / DK-2532-02-4	309215 / DK-292SCA3LCA-02	309277 / DK-292SCA3LC-02
3,0 m	249412 / DK-2532-03	249597 / DK-2532-03/3	249658 / DK-2932-03	308935 / DK-2532-03-4	309222 / DK-292SCA3LCA-03	309284 / DK-292SCA3LC-03
5,0 m	249436 / DK-2532-05	249603 / DK-2532-05/3	249665 / DK-2932-05	308942 / DK-2532-05-4	309239 / DK-292SCA3LCA-05	309291 / DK-292SCA3LC-05
7,0 m	249443 / DK-2532-07	249610 / DK-2532-07/3	249672 / DK-2932-07	308959 / DK-2532-07-4	309246 / DK-292SCA3LCA-07	309307 / DK-292SCA3LC-07
10,0 m	249450 / DK-2532-10	249627 / DK-2532-10/3	249689 / DK-2932-10	308966 / DK-2532-10-4	309253 / DK-292SCA3LCA-10	309345 / DK-292SCA3LC-10

Description	Article Number			
Patch cable LC to SC	G50/125 µm	G50/125 µm	G50/125 µm	E9/125 µm
	OM2	OM3	OM4	OS2
	DK-2532-xx	DK-2532-xx/3	DK-2532-xx-4	DK-2932-xx
Choose a length for the xx within the article number. For example 5 m OM3 = DK-2532-05/3				

Duplex Patch Cables LC-ST



Mechanical Features

Connector:	Ceramic ferrule
Construction:	LC (IEC 61754-20) - ST (IEC 61754-2)
Bending protection:	Two colored
Cable:	(3x6 mm) ± 0.2 mm I-VH Zipcord, halogen-free
Pulling force:	Aramid (Kevlar)
Plug cycles:	≥ 1000

Scope of Delivery and Packaging

Verpackt im Polybeutel mit Messprotokoll

Optical Features

IL at Multimode:	max. 0.4 dB
IL at Singlemode:	max. 0.5 dB (PC); max. 0.3 dB (APC)
RL at Multimode:	min. 30 dB
RL at Singlemode:	min. 40 dB (PC); min. 60 dB (APC)

Thermal Features

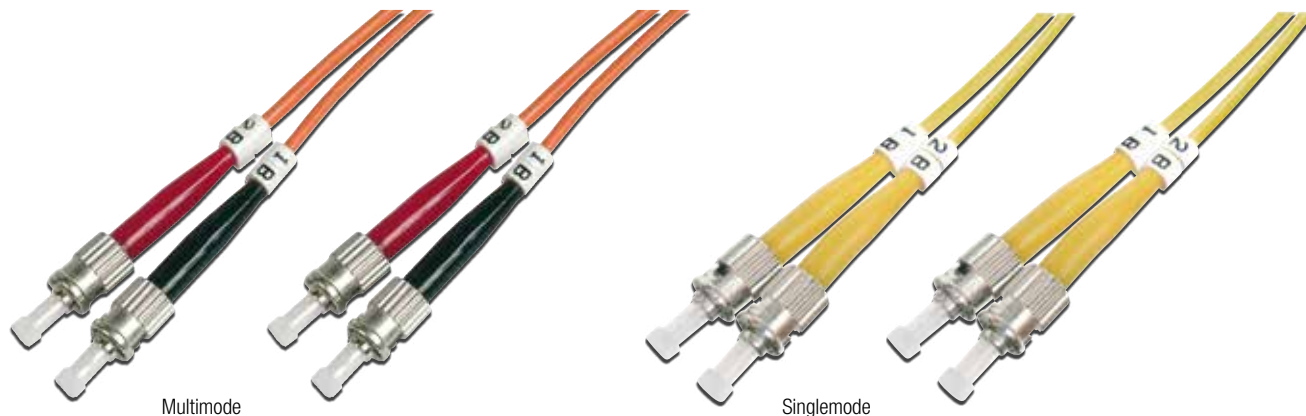
Operating temperature:	-5° C / +55° C
Storage temperature:	-30° C / +70° C

	Multimode OM2 - 50/125 µ	Multimode OM3 - 50/125 µ	Singlemode - 9/125 µ
1,0 m	249153 / DK-2531-01	249276 / DK-2531-01/3	249337 / DK-2931-01
2,0 m	249160 / DK-2531-02	249283 / DK-2531-02/3	249344 / DK-2931-02
3,0 m	249177 / DK-2531-03	249290 / DK-2531-03/3	249351 / DK-2931-03
5,0 m	249184 / DK-2531-05	249306 / DK-2531-05/3	249368 / DK-2931-05
7,0 m	249191 / DK-2531-07	249313 / DK-2531-07/3	249375 / DK-2931-07
10,0 m	249207 / DK-2531-10	249320 / DK-2531-10/3	249382 / DK-2931-10

Description	Article Number			
Patch cable LC to ST	G50/125 µm	G50/125 µm	G50/125 µm	E9/125 µm
	OM2	OM3	OM4	OS2
	DK-2531-xx	DK-2531-xx/3	DK-2531-xx-4	DK-2931-xx

Choose a length for the xx within the article number. For example 5 m OM3 = DK-2531-05/3

Duplex Patch Cables ST-ST



Mechanical Features

Connector:	Ceramic ferrule
Construction:	ST (IEC 61754-2)
Bending protection:	Two colored
Cable:	(3x6 mm) ± 0.2 mm I-VH Zipcord, halogen-free
Pulling force:	Aramid (Kevlar)
Plug cycles:	≥ 1000

Scope of Delivery and Packaging

Verpackt im Polybeutel mit Messprotokoll

Optical Features

IL at Multimode:	max. 0.4 dB
IL at Singlemode:	max. 0.5 dB (PC); max. 0.3 dB (APC)
RL at Multimode:	min. 30 dB
RL at Singlemode:	min. 40 dB (PC); min. 60 dB (APC)

Thermal Features

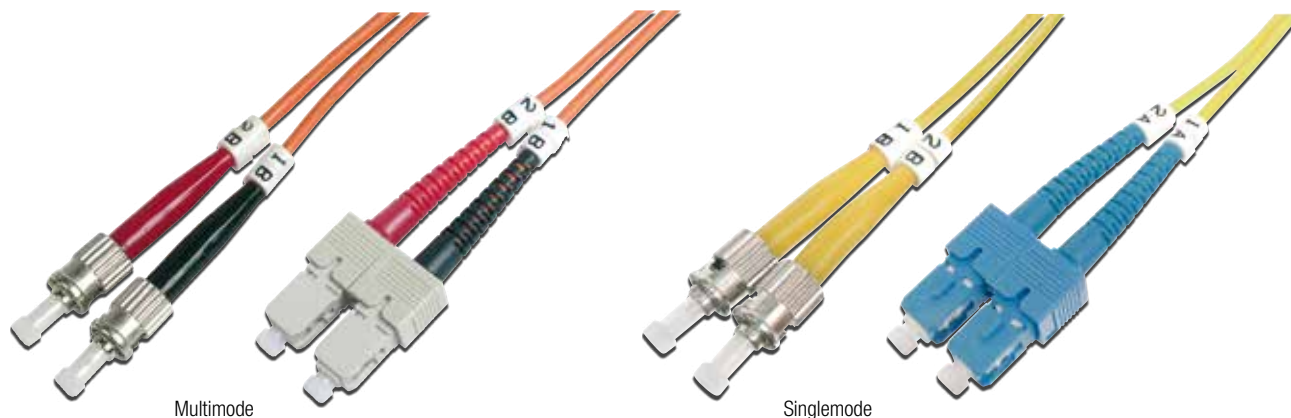
Operating temperature:	-5° C / +55° C
Storage temperature:	-30° C / +70° C

	Multimode OM2 - 50/125 µ	Multimode OM3 - 50/125 µ	Singlemode - 9/125 µ
1,0 m	247999 / DK-2511-01	248279 / DK-2511-01/3	248330 / DK-2911-01
2,0 m	248033 / DK-2511-02	248286 / DK-2511-02/3	248347 / DK-2911-02
3,0 m	248064 / DK-2511-03	248293 / DK-2511-03/3	248354 / DK-2911-03
5,0 m	248118 / DK-2511-05	248309 / DK-2511-05/3	248361 / DK-2911-05
7,0 m	248101 / DK-2511-07	248316 / DK-2511-07/3	248378 / DK-2911-07
10,0 m	248095 / DK-2511-10	248323 / DK-2511-10/3	248385 / DK-2911-10

Description	Article Number			
Patch cable ST to ST	G50/125 µm	G50/125 µm	G50/125 µm	E9/125 µm
	OM2	OM3	OM4	OS2
	DK-2511-xx	DK-2511-xx/3	DK-2511-xx-4	DK-2911-xx

Choose a length for the xx within the article number. For example 5 m OM3 = DK-2511-05/3

Duplex Patch Cables ST-SC



Mechanical Features

Connector:	Ceramic ferrule
Construction:	SC (IEC 61754-4) - ST (IEC 61754-2)
Bending protection:	Two colored
Cable:	(3x6 mm) ± 0.2 mm I-VH Zipcord, halogen-free
Pulling force:	Aramid (Kevlar)
Plug cycles:	≥ 1000

Scope of Delivery and Packaging

Verpackt im Polybeutel mit Messprotokoll

Optical Features

IL at Multimode:	max. 0.4 dB
IL at Singlemode:	max. 0.5 dB (PC); max. 0.3 dB (APC)
RL at Multimode:	min. 30 dB
RL at Singlemode:	min. 40 dB (PC); min. 60 dB (APC)

Thermal Features

Operating temperature:	-5° C / +55° C
Storage temperature:	-30° C / +70° C

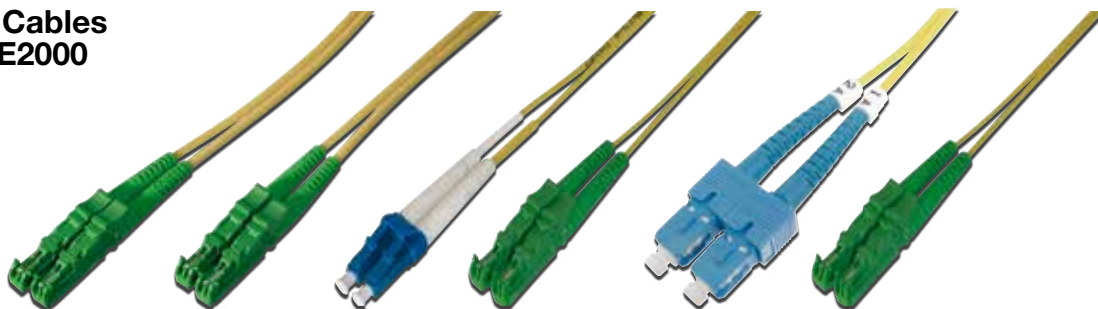
	Multimode OM2 - 50/125 µm	Multimode OM3 - 50/125 µm	Singlemode - 9/125 µm
1,0 m	248606 / DK-2512-01	248972 / DK-2512-01/3	249092 / DK-2912-01
2,0 m	248613 / DK-2512-02	248989 / DK-2512-02/3	249108 / DK-2912-02
3,0 m	248620 / DK-2512-03	248996 / DK-2512-03/3	249115 / DK-2912-03
5,0 m	248637 / DK-2512-05	249009 / DK-2512-05/3	249122 / DK-2912-05
7,0 m	248644 / DK-2512-07	249016 / DK-2512-07/3	249139 / DK-2912-07
10,0 m	248651 / DK-2512-10	249023 / DK-2512-10/3	249146 / DK-2912-10

Description	Article Number			
Patch cable ST to SC	G50/125 µm	G50/125 µm	G50/125 µm	E9/125 µm
	OM2	OM3	OM4	OS2
	DK-2512-xx	DK-2512-xx/3	DK-2512-xx-4	DK-2912-xx

Choose a length for the xx within the article number. For example 5 m OM3 = DK-2512-05/3

Please use our configurator for Patch-Cables.
Write us an E-Mail or give us a call and we will send the configurator to you.

Duplex Patch Cables R&M E2000 - E2000



Mechanical Features

Connector:	Ceramic ferrule
Construction:	E2000 (IEC 61754-15)
Bending protection:	Two colored
Cable:	(3x6 mm) ± 0.2 mm I-VH Zipcord, halogen-free
Pulling force:	Aramid (Kevlar)
Plug cycles:	≥ 1000

Scope of Delivery and Packaging

Verpackt im Polybeutel mit Messprotokoll

Optical Features

IL at Multimode:	max. 0.4 dB
IL at Singlemode:	max. 0.5 dB (PC); max. 0.3 dB (APC)
RL at Multimode:	min. 30 dB
RL at Singlemode:	min. 40 dB (PC); min. 60 dB (APC)

Thermal Features

Operating temperature:	-5° C / +55° C
Storage temperature:	-30° C / +70° C

Description	Article Number		
Patch cable E2000 to xx	OS2	OS2	OS2
	E2000/APC - E2000/APC	E2000/APC - LC/PC	E2000/APC - SC/PC
	AL-9E2000-xxl	AL-9E2000LC-xxl	AL-9E2000-SC-xxl

Choose a length for the xx within the article number. For example 5 m OS2 = AL-9E2000-05l

Technical Data E2000 Patch Cables

	E2000/APC 8° - LC/PC AL-9E2000LC-01l ... AL9E2000LC-05l	E2000/APC 8° - SC/PC AL-9E2000SC-01l ... AL9E2000SC-05l	E2000/APC 8° - E2000/APC 8° AL-9E2000-01l ... AL-9E2000-05l
Mechanical Properties			
Primary coating	Acrylate; Ø 250± 15 µm	Acrylate; Ø 250± 15 µm	Acrylate; Ø 250± 15 µm
Secondary coating	Ø 0.9 ± 0.1 mm	Ø 0.9 ± 0.1 mm	Ø 0.9 ± 0.1 mm
Coating color	9/125 OS2: yellow 50/125 OM4: violet 50/125 OM3: aqua 50/125 OM2: green 62.5/125 OM1: orange	9/125 OS2: yellow 50/125 OM4: violet 50/125 OM3: aqua 50/125 OM2: green 62.5/125 OM1: orange	9/125 OS2: yellow 50/125 OM4: violet 50/125 OM3: aqua 50/125 OM2: green 62.5/125 OM1: orange
Cable protection	Aramid (Kevlar)	Aramid (Kevlar)	Aramid (Kevlar)
Operating temperature	min: -20 °C max: +60 °C	min: -20 °C max: +60 °C	min: -20 °C max: +60 °C
Storage temperature	min: -25 °C max: +80 °C	min: -25 °C max: +80 °C	min: -25 °C max: +80 °C
Cable jacket	LSOH	LSOH	LSOH
Cable building	SM: 2 x 4 mm or 3 x 6 mm MM: 2.5 x 5 mm	SM: 2 x 4 mm or 3 x 6 mm MM: 2.5 x 5 mm	SM: 2 x 4 mm or 3 x 6 mm MM: 2.5 x 5 mm
Optical Properties			
Insertion loss	SM APC: max. 0.5 dB	SM APC: max. 0.5 dB	SM PC: max. 0.5 dB MM PC: max. 0.4 dB
Return loss	SM APC: min. 60 dB	SM APC: min. 60 dB	SM PC: > 35 dB SM SPC: > 45 dB SM UPC: > 50 dB MM PC: > 25 dB
Life cycle	> 500	> 500	> 1000

Technical Data Pigtails

	ST DK-25112-02 ... DK-25112-02/3	SC DK-25221-02 ... DK-25221-02/3	LC DK-25332-02 ... DK-25332-02/3	E2000/APC 8° AL-9FPE2000-02I
Mechanical Properties				
Primary coating	Acrylate; Ø 250± 15 µm	Acrylate; Ø 250± 15 µm	Acrylate; Ø 250± 15 µm	Acrylate; Ø 250± 15 µm
Secondary coating	Ø 0.9 ± 0.1 mm	Ø 0.9 ± 0.1 mm	Ø 0.9 ± 0.1 mm	Ø 0.9 ± 0.1 mm
Coating (buffer) color	SM: yellow 50/125 OM2: green 50/125 OM3: Aqua 62.5/125 OM1: orange	SM: yellow 50/125 OM2: green 50/125 OM3: Aqua 62.5/125 OM1: orange	SM: yellow 50/125 OM2: green 50/125 OM3: Aqua 62.5/125 OM1: orange	SM: yellow 50/125 OM2: green 50/125 OM3: Aqua 62.5/125 OM1: orange
Isolation strandet wire	hytrel / kevlar; Ø 1.4 mm (± 0.2 mm)	hytrel / kevlar; Ø 1.4 mm (± 0.2 mm)	hytrel / kevlar; Ø 1.4 mm (± 0.2 mm)	hytrel / kevlar; Ø 1.4 mm (± 0.2 mm)
Operating temperature	min: -20 °C max: +60 °C	min: -20 °C max: +60 °C	min: -20 °C max: +60 °C	min: -20 °C max: +60 °C
Storage temperature	min: -25 °C max: +80 °C	min: -25 °C max: +80 °C	min: -25 °C max: +80 °C	min: -25 °C max: +80 °C
Optical Properties				
Insertion loss	SM PC: max. 0.5 dB MM PC: max. 0.4 dB	SM PC: max. 0.5 dB MM PC: max. 0.4 dB	SM PC: max. 0.5 dB MM PC: max. 0.4 dB	SM PC: max. 0.5 dB MM PC: max. 0.4 dB
Return loss	SM PC : > 35 dB MM PC: > 25 dB	SM PC : > 35 dB SM SPC: > 45 dB SM UPC: > 50 dB MM PC: > 25 dB	SM PC : > 35 dB SM SPC: > 45 dB SM UPC: > 50 dB MM PC: > 25 dB	SM PC : > 35 dB SM SPC: > 45 dB SM UPC: > 50 dB MM PC: > 25 dB
Life cycle	> 500 connections	> 500 connections	> 500 connections	> 1000 connections

E2000 Pigtail Simplex

Cost reduction by verifiable quality and high performance
Simplex OS 2 09/125 µ 2 m

- Connector 1 E2000 (APC)
- Fiber class OS2
- Fiber diameter 9/125 µ
- Mode singlemode
- Color cable yellow
- Boot single-color
- Length 2 m
- Packaging polybag



204848 / AL-9FPE2000-02I
E2000 Pigtail with 8° (APC), simplex, 2 m, R&M

273769 / AL-9FPE2000-02I-1
E2000 Pigtail with 8° (APC), simplex, 2 m, diamond

Set of 12 Pigtails Colored IEC 60304

Mechanical Features

Connector:	> 1000 stretches
Pulling force:	> 100 N
Material connector pin (ferrule)	Zirconia ceramic
Material enclosure:	Thermoplastic resin
Wire structure:	Acrylat Ø 250 ± 15 µm
Measurement for secondary coating:	Ø 0.9 ± 0.1 mm

Scope of Delivery and Packaging

Pigtail incl. dust covers and measurement report
Packed in polybag

Optical Features

IL at Multimode:	max. 0.4 dB
IL at Singlemode:	max. 0.5 dB (PC); max. 0.3 dB (APC)
RL at Multimode:	min. 30 dB
RL at Singlemode:	min. 40 dB (PC); min. 60 dB (APC)

Thermal Features

Operating temperature:	-20° C / +80° C
Storage temperature:	-40° C / +90° C



Description	Article Number			
	G50/125 µm	G50/125 µm	G50/125 µm	E9/125 µm
Pigtailset 2 m (12 Pigtails)	OM2	OM3	OM4	OS2
LC	DK-25332-xx	DK-25332-xx/3	DK-25332-xx-4	DK-29332-xx

Please use the length of the cable from connector to connector instead of the xx in the part number.



Description	Article Number			
	G50/125 µm	G50/125 µm	G50/125 µm	E9/125 µm
Pigtailset 2 m (12 Pigtails)	OM2	OM3	OM4	OS2
SC	DK-25221-xx	DK-25221-xx/3	DK-25221-xx-4	DK-29221-xx

Please use the length of the cable from connector to connector instead of the xx in the part number.



Description	Article Number			
	G50/125 µm	G50/125 µm	G50/125 µm	E9/125 µm
Pigtailset 2 m (12 Pigtails)	OM2	OM3	OM4	OS2
ST	DK-25122-xx	DK-25122-xx/3	DK-26122-xx-4	DK-29122-xx

Please use the length of the cable from connector to connector instead of the xx in the part number.

	ST	SC	LC	E2000 ALWL-E2000
Standards				
Connector	IEC 61754-2 1996	IEC 61754-4 2002	IEC 61754-15 2009	IEC 61754-15 2009
Mechanical Properties				
Material: connector ferrule	zirconia ceramic	zirconia ceramic	zirconia ceramic	zirconia ceramic
Material: inner adaptor sleeve	SM: zirconia ceramic MM: phosphor bronze	SM: zirconia ceramic MM: phosphor bronze	SM: zirconia ceramic MM: phosphor bronze	SM: zirconia ceramic MM: phosphor bronze
Material: housing plug/coupler	nickel plated zinc alloy	PBT	PBT	PEI ULTEM
Material: connector body/adaptor body	flame retard, elastomer, non halogen	flame retard, elastomer, non halogen	flame retard, elastomer, non halogen	flame retard, elastomer, non halogen
Mating cycle	1000	1000	1000	1000
Operating temperature	min: -40 °C max: +85 °C	min: -40 °C max: +85 °C	min: -40 °C max: +85 °C	min: -40 °C max: +85 °C
Storage temperature	min: -20 °C max: +65 °C	min: -20 °C max: +65 °C	min: -20 °C max: +65 °C	min: -20 °C max: +65 °C
Optical Properties				
Insertion loss: connector	< 0.2 dB	< 0.2 dB	< 0.2 dB	< 0.2 dB
Return loss	SM PC : > 35 dB MM PC: > 25 dB	SM PC : > 35 dB MM PC: > 25 dB	SM PC : > 35 dB MM PC: > 25 dB	SM PC : > 35 dB MM PC: > 25 dB

E2000 Couplers, Simplex

- acc. IEC61754-15, DIN EN 186270
- Singlemode
- Polymer housing (PBT); fiber-glass reinforced (LSOH)
- Zirkonia ceramic ferrule
- 8° APC
- Color green



204855 / ALWL-E2000

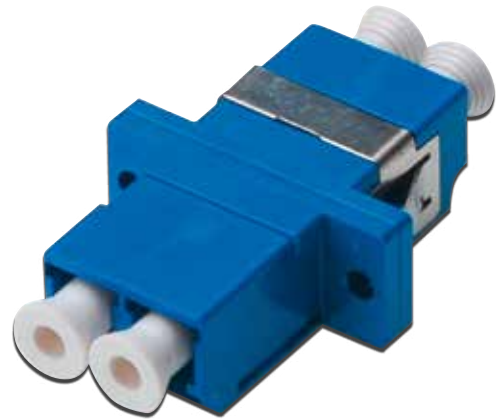
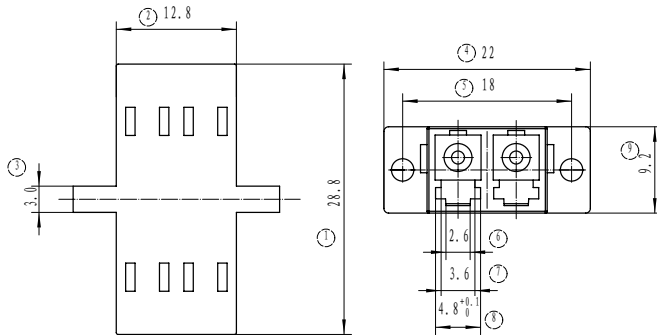
R&M, simplex, 8° APC singlemode, ceramic ferrule, green color, incl. mounting screws

273783 / ALWL-E2000-1

Diamond 0.1 dB, simplex, 8° APC singlemode, ceramic ferrule, with snap in / Clip (A), green color, diamond

LC / LC Couplers, Duplex

- LC / LC
- Duplex
- Zirconia ceramic ferrule
- Polymer housing
- Incl. fixing material



335764 / DN-96007-1
LC / LC coupler, singlemode, ceramic ferrule, blue, OS2

335870 / DN-96008-1
LC / LC coupler, multimode, ceramic ferrule, grey, OM2

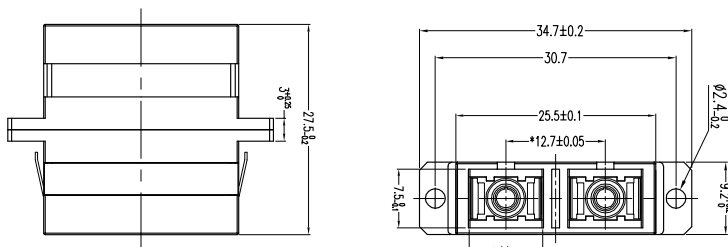
335917 / DN-96009-1
LC / LC coupler, multimode, ceramic ferrule, aqua, OM3

342298 / DN-96019-1
LC / LC coupler, multimode, ceramic ferrule, violett, OM4

370567 / DN-96009-0F
LC / LC coupler, multimode, ceramic ferrule, aqua, without wings

SC / SC Couplers, Duplex

- SC / SC
- Duplex
- Zirkonia ceramic ferrule
- Polymer housing
- Incl. fixing material



335634 / DN-96003-1
SC / SC coupler, singlemode, ceramic ferrule, blue, OS2

335665 / DN-96004-1
SC / SC coupler, multimode, ceramic ferrule, grey, OM2

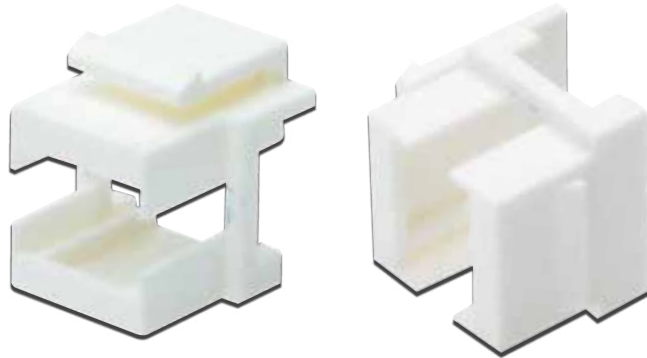
335689 / DN-96005-1
SC / SC coupler, multimode, ceramic ferrule, aqua, OM3

342281 / DN-96018-1
SC / SC coupler, multimode, ceramic ferrule, violett, OM4

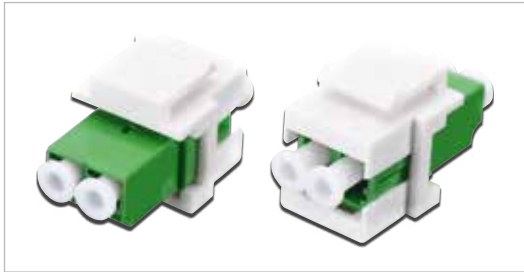
LC Keystone Frame for Patch Panels

The fiber optic solution for modular patch panels

- Keystone frame for LC couplers, grey
- Color: grey or black



Application Example

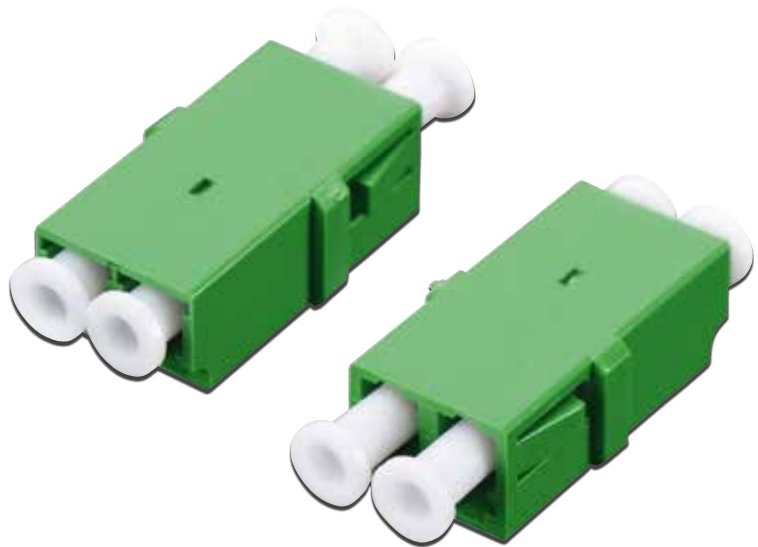
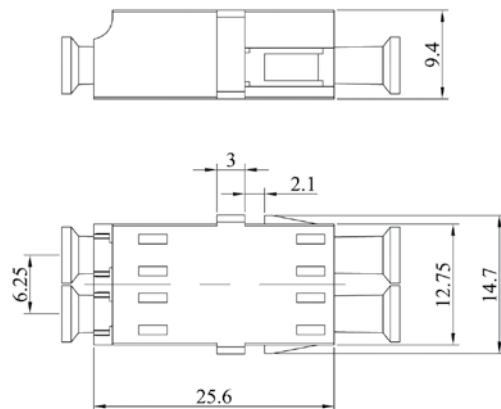


342274 / DN-BLIND-LC

LC Keystone frame for LC couplers, grey

LC / LC Coupler, Multimode

- Ideal for Keystone adapter
- Zirconia ceramic ferrule
- Polymer housing
- Multimode
- Color: aqua

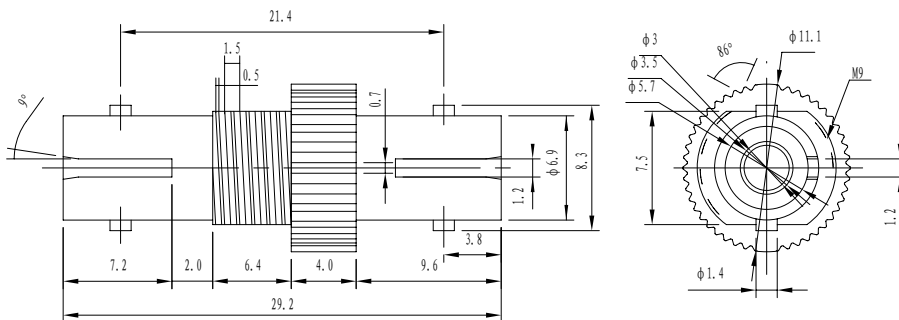


370567 / DN-96009-0F

LC / LC coupler, multimode, ceramic ferrule, aqua, without wings

ST / ST Couplers, Simplex

- ST / ST
- Simplex
- Zirconia ceramic ferrule
- Metal housing
- Yellow dust protection caps
- Incl. fixing material



335597 / DN-96001-1

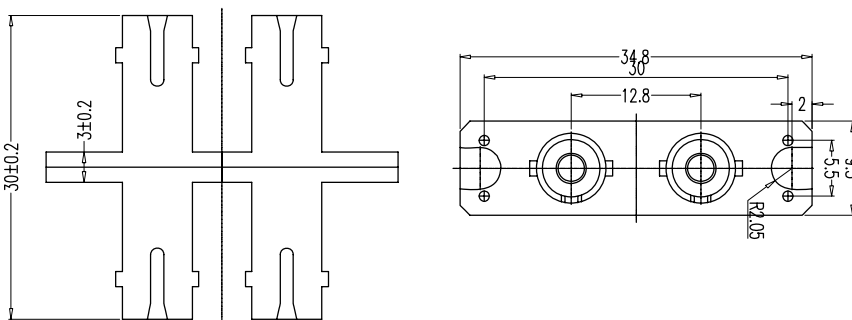
ST / ST coupler, singlemode, ceramic ferrule, metal housing, protective cap yellow

335610 / DN-96002-1

ST / ST coupler, singlemode, ceramic ferrule, metal housing, protective cap black

ST / ST Couplers, Duplex

- ST / ST
- Duplex
- Zirconia ceramic ferrule
- Metal housing
- Dust protection caps
- Incl. fixing material



342076 / DN-96020-1

ST / ST duplex coupler, multimode, ceramic ferrule, metal housing, protective cap yellow

342489 / DN-96021-1

ST / ST duplex coupler, multimode, ceramic ferrule, metal housing, protective cap black

Splice Cassettes, pre-assembled with 12 Pigtails

The splicing cassette is assembled with pigtails. They are cut at 2m and arranged according to color code fiber IEC 60 304th A sticker on the top of the cassette shows the color code used for the pigtails. Each assembled splice cassette is tested and thus guarantees the best quality and optimum Performance for your network.

Mechanical Features

Service time:	> 1000 (bendings)
Pulling force:	Cable strap and PG screw connection
Material connector pin (ferrule)	Zirconia ceramic
Material enclosure:	Thermoplastic resin flame retardent, halogen-free
Wire structure:	Acrylat Ø 250 ± 15 µm
Measurement for secondary coating:	Ø 0.9 ± 0.1 mm

Scope of Delivery and Packaging

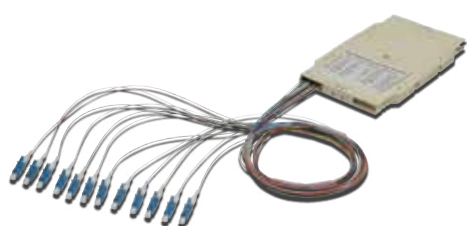
Pigtail incl. dust cover and measurement report
Packed in a polybag

Optical Features

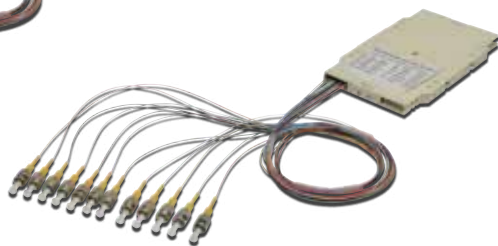
IL at Multimode:	max. 0.4 dB
IL at Singlemode:	max. 0.5 dB (PC); max. 0.3 dB (APC)
RL at Multimode:	min. 30 dB
RL at Singlemode:	min. 40 dB (PC); min. 60 dB (APC)

Thermal Features

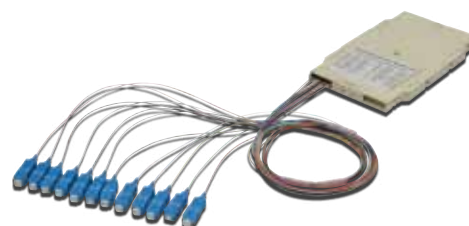
Operating temperature:	-20° C / +80° C
Storage temperature:	-40° C / +90° C



Splice Cassette with 12 LC Pigtails



Splice Cassette with 12 ST Pigtails



Splice Cassette with 12 SC Pigtails

Description	Article Number				
	G50/125 µm	G50/125 µm	G50/125 µm	E9/125 µm	E9/125 µm
Splice Cassette with 12 Pigtails	OM2	OM3	OM4	OS2	OS2 APC
LC	A-96533-02-UPC 319306	A-96533-02-UPC-3 319337	A-96533-02-UPC-4 319368	A-96933-02-UPC 319160	A-96933-02-APC 391191

Description	Article Number				
	G50/125 µm	G50/125 µm	G50/125 µm	E9/125 µm	E9/125 µm
Splice Cassette with 12 Pigtails	OM2	OM3	OM4	OS2	OS2 APC
SC	A-96522-02-UPC 319283	A-96522-02-UPC-3 319313	A-96522-02-UPC-4 319344	A-96922-02-UPC 319139	A-96922-02-APC 319177

Description	Article Number				
	G50/125 µm	G50/125 µm	G50/125 µm	E9/125 µm	E9/125 µm
Splice Cassette with 12 Pigtails	OM2	OM3	OM4	OS2	OS2 APC
ST	A-96511-02-UPC 319290	A-96511-02-UPC-3 319320	A-96511-02-UPC-4 319351	A-96911-02-UPC 319146	A-96911-02-APC 319184

Individual Solutions with MPO/MTP®

The MPO/MTP® cable is designed for system solutions in data centers. This Fiber optic cable is typically equipped with 12 or 24 fibers. The plug you can get as a PC or as APC, usually with an attenuation of 0.3 dB. This cable is available as Trunk or round cable. MPO/MPT® plugs are available as male and female. Often the MPO cable is also with LC or SC connectors combined.

Our DIGITUS® Professional MPO/MTP® cables meet all the standard IEC61754-7 and the standard EN 50173-5. To insert the MPO/MPT® cables in the data center, they are

either used as normal Ablink with same connectors or as fan-out with LC or SC couplers. Of course you can use boxes for installation in the rack. Here then lies on one side of the MPO/MPT® connection and on the other hand, the SC or LC Couplers. The fibers are as OS2 and as OM2, OM3 and OM4 available.

Mechanical Features

Plug:	MPO female
Cable:	Ø 4.5 mm ± 0.2 mm, halogen-free (12 fibers) 7.5 x 4,5 mm ± 0.2 mm, halogen-free (24 fibers)
Pulling force:	Aramid (Kevlar)
Plug cycles:	≥ 500
Polarity:	Typ A
Bending radius:	15x outer diameter
Fan-Out-Cable:	0.9 mm

Optical Features

IL at Multimode:	max. 0.4 dB
IL at Singlemode:	max. 0.5 dB (PC); max. 0.3 dB (APC)
RL at Multimode:	min. 30 dB
RL at Singlemode:	min. 60 dB (APC)

Thermal Features

Operating temperature:	-40° C / +75° C
Storage temperature:	-40° C / +75° C



Please use our configurator for MPO cables.
Write us an E-Mail or give us a call and we will send the configurator to you.

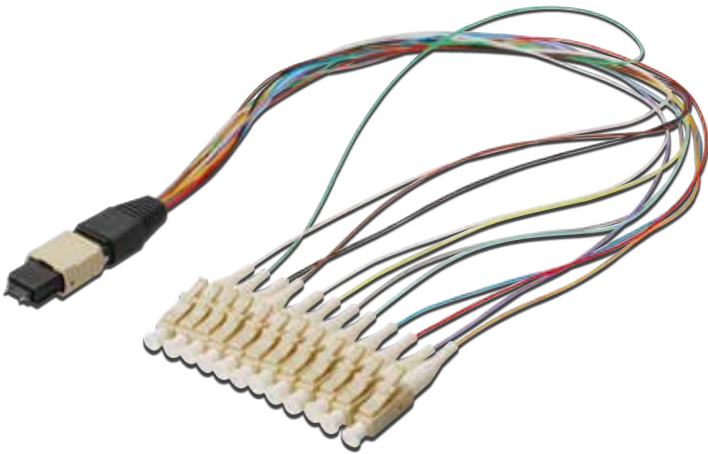
Description	Article Number			
	OM2	OM3	OM4	OS2
MPO zu MPO	DK-25662-xx	DK-25662-xx/3	DK-25662-xx-4	DK-29662-xx
MPO zu LC	DK-25631-xx	DK-25631-xx/3	DK-25631-xx-4	DK-29631-xx
MPO zu SC	DK-25621-xx	DK-25621-xx/3	DK-25621-xx-4	DK-29621-xx

Choose a length for the xx within the article number. For example 5 m OM3 = DK-25662-05/3

MPO/MTP®-LC/SC Fan-Out Cables, 0.9 mm, OM4

Best performance and link quality
for your network

- Plug: MPO/PC - LC/SC, PC/MM/0.9
- Cable typ: trunk cable/OM4/LS2H
- IL: MPO: 0.5 < dB/SC: < 0.3 dB
- Color: Multi-coloured



Please use our configurator for MPO cables.
Write us an E-Mail or give us a call and we will send the configurator to you.

Description	Article Number
	OM4
MPO to 12 LC	DK-25631-xx-4
MPO to 12 SC	DK-25621-xx-4
Choose a length for the xx within the article number. For example 5 m OM3 = DK-25631-05-4	

MPO/MTP®Trunk Cables

Best performance and link quality
for your network

- Plug: MTP/MTP/APC/SM
- Cable typ: trunk cable/12C SM/OM4/Fiber 9/125
- IL: MPO: 0.5 < dB
- Color: aqua



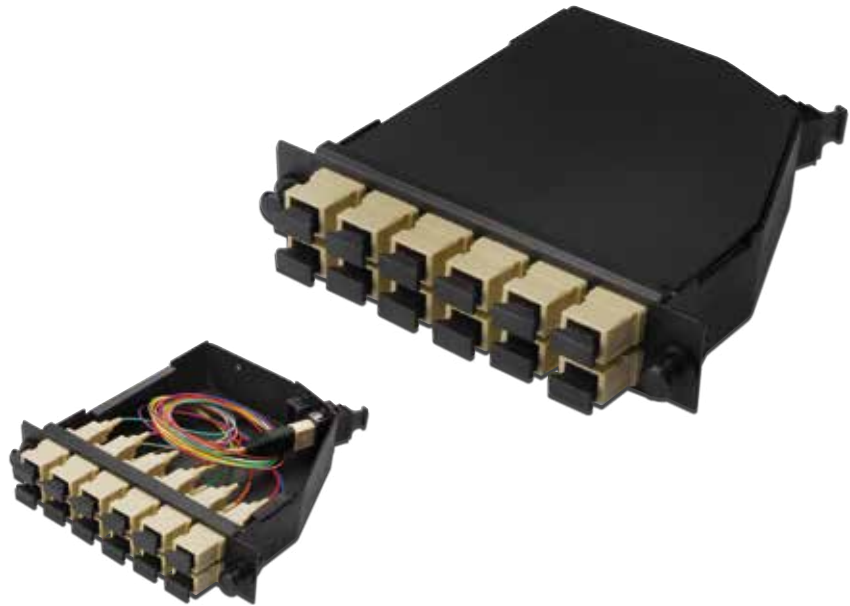
Please use our configurator for MPO cables.
Write us an E-Mail or give us a call and we will send the configurator to you.

Description	Article Number
	OM4
MPO male zu MPO female	DK-25662-xx-4
Choose a length for the xx within the article number. For example 5 m OM3 = DK-25662-05-4	

MPO/MTP® Cassettes OM4

Light weight, small size and easy installation

- Housing of sheet steel
- 1x MPO/2 x LC/SC OM4
- Equipped with Fan-Out cable OM4
- Color: black



Description	Artikelnummer
	OM4
6x LC DX & 12 fibers	DN-96313-12 / 307655
6x SC DX & 12 fibers	DN-96312-12 / 307648

3x MPO/MTP® Frontplate for Fiber Optic Splice Box

Sliding Distribution box for 3 cassettes

- 19" housing
- Extensible
- Unassembled
- For 3x MPO/MTP® cassettes
- Easy installation
- Color: black RAL 9005



307556 / DN-96211

Distribution box for 3x MPO/MTP® cassettes, black RAL 9005

MPO Fan-Out Cassettes, equipped

Mechanical properties

- Cassette: sheet steel varnished RAL 9005
- Installation: in HD Panel
- Frontplate: with mounted couplers
- Labeling: labeling card
- Fan-Out: mounted according IEC 60304
- Dimensions (HxBxT): 38.5 x 80 x 172 mm
- Working temperature: -40 / +70° C
- Storage temperature: -40 / +70° C

Optical properties

- MTP®
- IL with multimode: max. 0.6 dB
- IL with singlemode: max. 0.75 dB (APC)
- RL with multimode: min. 20 dB
- RL with singlemode: min. 55 dB (APC)
- Fan-Out plug
- IL with multimode: max. 0.4 dB ¹
- IL with singlemode: max. 0.5 dB (APC) ¹
- RL with multimode: min. 30 dB ¹
- RL with singlemode: min. 60 dB (APC) ¹

¹ all values during assembling



Article Number	Assembly			Couplers		Plug
	Couplers	Pigtails	Fiber type	Color	Sleeve	Polish
DN-966212-SX	12 x SC-SX	12 x SC	G50/125μ - OM2	beige	PhrBr	PC
DN-966212-SX/3			G50/125μ - OM3	aqua	PhrBr	PC
DN-966212-SX/4			G50/125μ - OM4	violet	ceramic	PC
DN-966212-SX/9			E9/125μ - OS2	green	ceramic	APC
DN-96626-DX	6 x SC-DX	12 x SC	G50/125μ - OM2	beige	PhrBr	PC
DN-96626-DX/3			G50/125μ - OM3	aqua	PhrBr	PC
DN-96626-DX/4			G50/125μ - OM4	violet	ceramic	PC
DN-96626-DX/9			E9/125μ - OS2	green	ceramic	APC
DN-96636-DX	6 x LC-DX	12 x LC	G50/125μ - OM2	beige	ceramic	PC
DN-96636-DX/3			G50/125μ - OM3	aqua	ceramic	PC
DN-96636-DX/4			G50/125μ - OM4	violet	ceramic	PC
DN-96636-DX/9			E9/125μ - OS2	green	ceramic	APC
DN-96636-QD	6 x LC-Quad	24 x LC	G50/125μ - OM2	beige	ceramic	PC
DN-96636-QD/3			G50/125μ - OM3	aqua	ceramic	PC
DN-96636-QD/4			G50/125μ - OM4	violet	ceramic	PC
DN-96636-QD/9			E9/125μ - OS2	green	ceramic	APC

MPO/MTP® HD Modular Patch Panels

- Housing: Sheet steel painted RAL 9005
- Slots: For max. 5 HD trays
- Input: 120 fibers (24 fibers/tray)
- Dimensions (HxWxD): 44.45 (1 HE) x 482 (19") x 271 mm



Application example



Fiber Optic Splice Boxes //

A splice box can be installed in a network cabinet, it is a beginning, an end, or a distribution of a fiber optic line, which is individually splitten in fibers. We develop our splice boxes according to international standards for use in data networks.

Equipped with adapters, our splice boxes are especially suited for incorporating break out cables. Boxes fully equipped with adapters and pigtails also include a splice tray to incorporate a splice with the secondary cable. Of course, we also offer plain splice boxes. All of our splice boxes are extendable trays made from 1 mm lacquered steel plate.

This design allows you to work on both sides of an adapter without having to remove the cover of the splice box. Advantage: The front panels of DIGITUS® Professional splice boxes are interchangeable, so the boxes can be used with all standard adapters.

All our splice boxes are extendable cassettes painted from 1.5 mm steel sheet. By this technique it is possible to work at any time on both sides of the couplers without removing the cover of the splice box. The Box is 1U high (44, 45 mm), 19" (483 mm wide) and 28 0mm deep. They are with a metric cable gland, strain relief and fiber management. You can choose the front panels between 6, 12, 24 SC Duplex adapters, 6, 10, 24 SC Simplex couplings, 6, 12, 24 LC duplex adapters, 12, 24 ST adapters and 12, 24 E2000 adapters. You can get E2000 adapters from Diamond or R + M. Of course we also offer Pigtails in to OS2, OM2, OM3, OM4.



Splice Boxes, equipped and partially equipped

Splice Box extendable, equipped with LC Duplex Couplers



Mechanical Features

Housing:	Aluminum unpainted steel front panel; painted
Front plate:	483 mm (19") with mounted LC Duplex Couplers (plastic housing)
Labeling:	Numbers as screen printing
Recording:	Up to 24 fibers / 4x splice cassettes
Pulling force:	Cable strap and PG screw connection
Cable entries:	4 possible entries about PG screw connection
Measurements (HxWxD):	44.45 (1U) x 483 (19") x 280 mm

Optical Features

IL at Multimode:	max. 0.4 dB
IL at Singlemode:	max. 0.5 dB (PC); max. 0.3 dB (APC)
RL at Multimode:	min. 30 dB
RL at Singlemode:	min. 40 dB (PC); min. 60 dB (APC)

Thermal Features

Operating temperature:	-20° C / +80° C
Storage temperature:	-40° C / +90° C

Scope of Delivery and Packaging

Splice Box with lid and LC Duplex Couplers
1 PG 13.5 screw connection
Packed in a box

Cross Reference



Please use our configurator for Splice Boxes. Write us an E-Mail or give us a call and we will send the configurator to you.

Splice Boxes, equipped with LC/DX Couplers and Pigtail Sets

	OM2	OM3	OM4	OS2
6 LC Couplers	DN-96330	DN-96330/3	DN-96330-4	DN-96330/9
12 LC Couplers	DN-96331	DN-96331/3	DN-96331-4	DN-96331/9
24 LC Couplers	DN-96332	DN-96332/3	DN-96332-4	DN-96332/9

Splice Boxes, partially equipped with LC/DX Couplers

	OM2	OM3	OM4	OS2
6 LC Couplers	DN-96430	DN-96430/3	DN-96430-4	DN-96430/9
12 LC Couplers	DN-96431	DN-96431/3	DN-96431-4	DN-96431/9
24 LC Couplers	DN-96432	DN-96432/3	DN-96432-4	DN-96432/9

Splice Boxes, equipped and partially equipped Splice Box Extendable, equipped with SC Duplex Couplers



Mechanical Features

Housing:	Full metal varnished light grey RAL 7035 or black RAL 9005
Front plate:	483 mm (19") with mounted LC Duplex Couplers (plastic housing)
Labeling:	Numbers as screen printing
Recording:	Up to 48 fibers / 4x splice cassettes
Pulling force:	Cable strap and PG screw connection
Cable entries:	4 possible entries about PG screw connection
Measurements (HxWxD):	44.45 (1U) x 483 (19") x 280 mm

Optical Features

IL at Multimode:	max. 0.4 dB
IL at Singlemode:	max. 0.5 dB (PC); max. 0.3 dB (APC)
RL at Multimode:	min. 30 dB
RL at Singlemode:	min. 40 dB (PC); min. 60 dB (APC)

Thermal Features

Operating temperature:	-20° C / +80° C
Storage temperature:	-40° C / +90° C

Scope of Delivery and Packaging

Splice Box with lid and SC Duplex Couplers
1 PG 13.5 screw connection
Packed in a box

Cross Reference



Please use our configurator for Splice Boxes. Write us an E-Mail or give us a call and we will send the configurator to you.

Splice Boxes with LC/DX Couplers and Pigtail Sets

	OM2	OM3	OM4	OS2
6 SC Couplers	DN-96320	DN-96320/3	DN-96320-4	DN-96320/9
12 SC Couplers	DN-96321	DN-96321/3	DN-96321-4	DN-96321/9
24 SC Couplers	DN-96322	DN-96322/3	DN-96322-4	DN-96322/9

Splice Boxes with LC/DX Couplers

	OM2	OM3	OM4	OS2
6 SC Couplers	DN-96420	DN-96420/3	DN-96420-4	DN-96420/9
12 SC Couplers	DN-96421	DN-96421/3	DN-96421-4	DN-96421/9
24 SC Couplers	DN-96422	DN-96422/3	DN-96422-4	DN-96422/9

Splice Boxes, equipped and partially equipped

Splice Box Extendable, equipped with ST Duplex Couplers



Mechanical Features

Housing:	Full metal varnished light grey RAL 7035 or black RAL 9005
Front plate:	483 mm (19") with mounted LC Duplex
Labeling:	Numbers as screen printing
Recording:	Up to 24 fibers / 4x splice cassettes
Pulling force:	Cable strap and PG screw connection
Cable entries:	4 possible entries about PG screw connection
Measurements (HxWxD):	44.45 (1U) x 483 (19") x 280 mm

Optical Features

IL at Multimode:	max. 0.4 dB
IL at Singlemode:	max. 0.5 dB (PC); max. 0.3 dB (APC)
RL at Multimode:	min. 30 dB
RL at Singlemode:	min. 40 dB (PC); min. 60 dB (APC)

Thermal Features

Operating temperature:	-20° C / +80° C
Storage temperature:	-40° C / +90° C

Scope of Delivery and Packaging

Splice Box with lid and ST Duplex Couplers
1 PG 13.5 screw connection
Packed in a box

Cross Reference



Please use our configurator for Splice Boxes. Write us an E-Mail or give us a call and we will send the configurator to you.

Splice Boxes with ST/SX Couplers and Pigtail Sets

	OM2	OM3	OM4	OS2
12 ST Couplers	DN-96311	DN-96311/3	DN-96311-4	DN-96311/9
24 ST Couplers	DN-96312	DN-96312/3	DN-96312-4	DN-96312/9

Splice Boxes with ST/SX Couplers

	OM2	OM3	OM4	OS2
12 ST Couplers	DN-96411	DN-96411/3	DN-96411-4	DN-96411/9
24 ST Couplers	DN-96412	DN-96412/3	DN-96412-4	DN-96412/9

Splice Boxes, equipped and partially equipped

Splice Box Extendable, equipped with E2000 Simplex Couplers



Mechanical Features

Housing:	Full metal varnished light grey RAL 7035 or black RAL 9005
Front plate:	483 mm (19") with mounted LC Duplex Couplers (plastic housing)
Labeling:	Numbers as screen printing
Recording:	Up to 24 fibers / 4x splice cassettes
Pulling force:	Cable strap and PG screw connection
Cable entries:	4 possible entries about PG screw connection
Measurements (HxWxD):	44.45 (1U) x 483 (19") x 280 mm

Optical Features

IL at Multimode:	max. 0.4 dB
IL at Singlemode:	max. 0.5 dB (PC); max. 0.3 dB (APC)
RL at Multimode:	min. 30 dB
RL at Singlemode:	min. 40 dB (PC); min. 60 dB (APC)

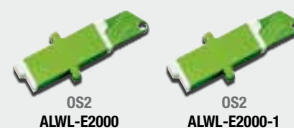
Thermal Features

Operating temperature:	-20° C / +80° C
Storage temperature:	-40° C / +90° C

Scope of Delivery and Packaging

Splice Box with lid and E2000 Simplex Couplers
1 PG 13.5 screw connection
Packed in a box

Cross Reference



Please use our configurator for Splice Boxes. Write us an E-Mail or give us a call and we will send the configurator to you.

Splice Boxes with E2000/SX Couplers and Pigtail Sets

	OM2	OM3	OM4	OS2
E2000/12 ST Couplers	DN-96341	DN-96341/3	DN-96341-4	DN-96341/9
E2000/24 ST Couplers	DN-96342	DN-96342/3	DN-96342-4	DN-96342/9

Splice Boxes, partially equipped with ST/SX Couplers

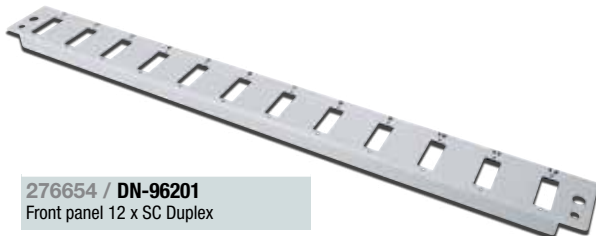
	OM2	OM3	OM4	OS2
12 ST Couplers	DN-96441	DN-96441/3	DN-96441-4	DN-96441/9
24 ST Couplers	DN-96442	DN-96442/3	DN-96442-4	DN-96442/9

Modular Fiber Optic Splice Box Series

- Unassembled, without front panel
- Carrier housing made of 1.5 mm sheet steel, varnished
- Color: grey (RAL 7035)
- Holder for splice cassettes
- Punched out ground to fix pigtailed
- 4 PG entries and 2 cable entries
- PG 16 screws and mounting material included in delivery



Basic Housing	Front Panel
DN-96200	DN-96201 (12x SC Duplex)
	DN-96201-ST (12x SC Duplex)
	DN-96202 (24x SC Duplex)
	DN-96204 (12x ST Simplex)
	DN-96205 (24x ST Simplex)
	DN-96205-ST (24x ST Simplex)
	DN-96206 (12x SC Simplex)
	DN-96207 (24x SC Simplex)
	DN-96207-ST (24x SC Simplex)



352334 / DN-96201-ST
Front panel 12 x SC Duplex, staggered



352358 / DN-96205-ST
Front panel 24 x ST Simplex, staggered



352372 / DN-96207-ST
Front panel 24 x SC Simplex, staggered

Aluminum Splice Boxes //

The DIGITUS® Professional aluminum splices are extremely light because of processed material. They are fully painted, unpainted or just with lacquered front. In this splice body you can use the front panel for SC, LC, ST and E2000 Simplex or Duplex couplers.

Of course we also offer this splice like equipped with adapters or with adapters and pigtails. So you save the assembly time and you can start directly with the splicing.



Splice Boxes, equipped and partially equipped Equipped with LC Duplex Couplers



Mechanical Features

Housing:	Aluminum unpainted steel front panel; painted
Front plate:	483 mm (19") with mounted LC Duplex Couplers (plastic housing)
Labeling:	Numbers as screen printing
Recording:	Up to 24 fibers / 4x splice cassettes
Pulling force:	Cable strap and PG screw connection
Cable entries:	4 possible entries about PG screw connection
Measurements (HxWxD):	44.45 (1U) x 483 (19") x 280 mm

Optical Features

IL at Multimode:	max. 0.4 dB
IL at Singlemode:	max. 0.5 dB (PC); max. 0.3 dB (APC)
RL at Multimode:	min. 30 dB
RL at Singlemode:	min. 40 dB (PC); min. 60 dB (APC)

Thermal Features

Operating temperature:	-20° C / +80° C
Storage temperature:	-40° C / +90° C

Scope of Delivery and Packaging

Splice Box with lid and LC Duplex Couplers
1 PG 13.5 screw connection
Packed in a box

Cross Reference



Splice Boxes, equipped with LC/DX Couplers and Pigtail Sets

	OM2	OM3	OM4	OS2
6 LC Couplers	DN-96330-AL	DN-96330/3-AL	DN-96330-4-AL	DN-96330/9-AL
12 LC Couplers	DN-96331-AL	DN-96331/3-AL	DN-96331-4-AL	DN-96331/9-AL
24 LC Couplers	DN-96332-AL	DN-96332/3-AL	DN-96332-4-AL	DN-96332/9-AL

Splice Boxes, partially equipped with LC/DX Couplers

	OM2	OM3	OM4	OS2
6 LC Couplers	DN-96430-AL	DN-96430/3-AL	DN-96430-4-AL	DN-96430/9-AL
12 LC Couplers	DN-96431-AL	DN-96431/3-AL	DN-96431-4-AL	DN-96431/9-AL
24 LC Couplers	DN-96432-AL	DN-96432/3-AL	DN-96432-4-AL	DN-96432/9-AL

Splice Boxes, equipped and partially equipped Equipped with SC Duplex Couplers



Mechanical Features

Housing:	Aluminum unpainted steel front panel; painted
Front plate:	483 mm (19") with mounted SC Duplex Couplers (plastic housing)
Labeling:	Numbers as screen printing
Recording:	Up to 24 fibers / 4x splice cassettes
Pulling force:	Cable strap and PG screw connection
Cable entries:	4 possible entries about PG screw connection
Measurements (HxWxD):	44.45 (1U) x 483 (19") x 280 mm

Optical Features

IL at Multimode:	max. 0.4 dB
IL at Singlemode:	max. 0.5 dB (PC); max. 0.3 dB (APC)
RL at Multimode:	min. 30 dB
RL at Singlemode:	min. 40 dB (PC); min. 60 dB (APC)

Thermal Features

Operating temperature:	-20° C / +80° C
Storage temperature:	-40° C / +90° C

Scope of Delivery and Packaging

Splice Box with lid and SC Duplex Couplers
1 PG 13.5 screw connection
Packed in a box

Cross Reference



Splice Boxes, equipped with SC/DX Couplers and Pigtail Sets

	OM2	OM3	OM4	OS2
6 SC Couplers	DN-96320-AL	DN-96320/3-AL	DN-96320-4-AL	DN-96320/9-AL
12 SC Couplers	DN-96321-AL	DN-96321/3-AL	DN-96321-4-AL	DN-96321/9-AL
24 SC Couplers	DN-96322-AL	DN-96322/3-AL	DN-96322-4-AL	DN-96322/9-AL

Splice Boxes, partially equipped with SC/DX Couplers

	OM2	OM3	OM4	OS2
6 SC Couplers	DN-96420-AL	DN-96420/3-AL	DN-96420-4-AL	DN-96420/9-AL
12 SC Couplers	DN-96421-AL	DN-96421/3-AL	DN-96421-4-AL	DN-96421/9-AL
24 SC Couplers	DN-96422-AL	DN-96422/3-AL	DN-96422-4-AL	DN-96422/9-AL

Splice Boxes, equipped and partially equipped Equipped with ST Simplex Couplers



Mechanical Features

Housing:	Aluminum unpainted steel front panel; painted
Front plate:	483 mm (19") with mounted ST Simplex Couplers (plastic housing)
Labeling:	Numbers as screen printing
Recording:	Up to 24 fibers / 4x splice cassettes
Pulling force:	Cable strap and PG screw connection
Cable entries:	4 possible entries about PG screw connection
Measurements (HxWxD):	44.45 (1U) x 483 (19") x 280 mm

Optical Features

IL at Multimode:	max. 0.4 dB
IL at Singlemode:	max. 0.5 dB (PC); max. 0.3 dB (APC)
RL at Multimode:	min. 30 dB
RL at Singlemode:	min. 40 dB (PC); min. 60 dB (APC)

Thermal Features

Operating temperature:	-20° C / +80° C
Storage temperature:	-40° C / +90° C

Scope of Delivery and Packaging

Splice Box with lid and ST/SX Couplers
1 PG 13.5 screw connection
Packed in a box

Cross Reference



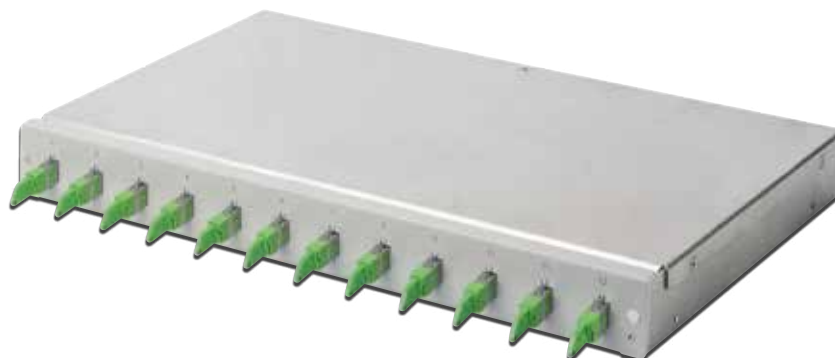
Splice Boxes, equipped with ST/SX Couplers and Pigtail Sets

	OM2	OM3	OM4	OS2
12 ST Couplers	DN-96311-AL	DN-96311/3-AL	DN-96311-4-AL	DN-96311/9-AL
24 ST Couplers	DN-96312-AL	DN-96312/3-AL	DN-96312-4-AL	DN-96312/9-AL

Splice Boxes, partially equipped with ST/SX Couplers

	OM2	OM3	OM4	OS2
12 ST Couplers	DN-96411-AL	DN-96411/3-AL	DN-96411-4-AL	DN-96411/9-AL
24 ST Couplers	DN-96412-AL	DN-96412/3-AL	DN-96412-4-AL	DN-96412/9-AL

Splice Boxes, equipped and partially equipped Equipped with E2000 Simplex Couplers



Mechanical Features

Housing:	Aluminum unpainted steel front panel; painted
Front plate:	483 mm (19") with mounted E2000 Simplex couplers (plastic housing)
Labeling:	Numbers as screen printing
Recording:	Up to 24 fibers / 4x splice cassettes
Pulling force:	Cable strap and PG screw connection
Cable entries:	4 possible entries about PG screw connection
Measurements (HxWxD):	44.45 (1U) x 483 (19") x 280 mm

Optical Features

IL at Multimode:	max. 0.4 dB
IL at Singlemode:	max. 0.5 dB (PC); max. 0.3 dB (APC)
RL at Multimode:	min. 30 dB
RL at Singlemode:	min. 40 dB (PC); min. 60 dB (APC)

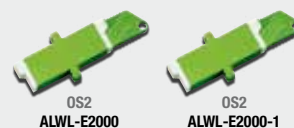
Thermal Features

Operating temperature:	-20° C / +80° C
Storage temperature:	-40° C / +90° C

Scope of Delivery and Packaging

Splice Box with lid and E2000 Couplers
1 PG 13.5 screw connection
Packed in a box

Cross Reference



Splice boxes, equipped with E2000/SX Couplers and Pigtail Sets

	OM2	OM3	OM4	OS2
E2000/12 ST Couplers	DN-96341-AL	DN-96341/3-AL	DN-96341-4-AL	DN-96341/9-AL
E2000/24 ST Couplers	DN-96342-AL	DN-96342/3-AL	DN-96342-4-AL	DN-96342/9-AL

Splice Boxes, partially equipped with ST/SX Couplers

	OM2	OM3	OM4	OS2
12 ST Couplers	DN-96441-AL	DN-96441/3-AL	DN-96441-4-AL	DN-96441/9-AL
24 ST Couplers	DN-96442-AL	DN-96442/3-AL	DN-96442-4-AL	DN-96442/9-AL

Hybrid Splice Box flexible assembled

Splice Box assembled with up to 4 different front-plates



Mechanical Features

Housing:	Full metal varnished light grey RAL 7035 or black RAL 9005
Front plate:	for: LC Duplex, SC Duplex, SC Simplex, ST Simplex, Keystone Module
Recording:	Up to 32 fibers / 4x splice cassettes
Pulling force:	Cable strap and PG screw connection
Cable entries:	4 possible entries about PG screw connection
Measurements (HxWxD):	44.45 (1U) x 483 (19") x 280 mm

Thermal Features

Operating temperature:	-20° C / +80° C
Storage temperature:	-40° C / +90° C

Scope of Delivery and Packaging

Splice Box with Frontplate-Holder for 4 Frontplates
1 PG 13.5 screw connection
Packed in a box

Cross Reference



Fiber Optic Splice Box	DN-96200-H			
Frontplate	6 ST/SX	6 LC/DX oder SC/SX	6 SC/DX	4 Keystone Module
	DN-96204-H	DN-96206-H	DN-96202-H	DN-96209-H

2RU Fiber Termination Patch/Splice Panel //

The RailSlide 2RU Fiber Termination Patch/Splice Panel is designed to be used as a rack mount interconnect point where termination and connectivity of up to 96 fibers is desired. This solution allows easy access to the front patch cords as well as the splice trays and pigtails after being pulled out. Mounted on telescopic runners to ensure the tray slides in and out with a smooth action. Standard panels are available empty for complete field configuration, half-loaded with adaptor plates for field termination and cable assembly installation, or stubbed with a factory-installed cable assembly of a user specified length. The panel also offers multiple cable entry solutions, up to 4 standard cable entry points for loose tube, tight buffer, preterminated and steel tape armoured cable. Each panel has integrated strength member tie positions.

Features

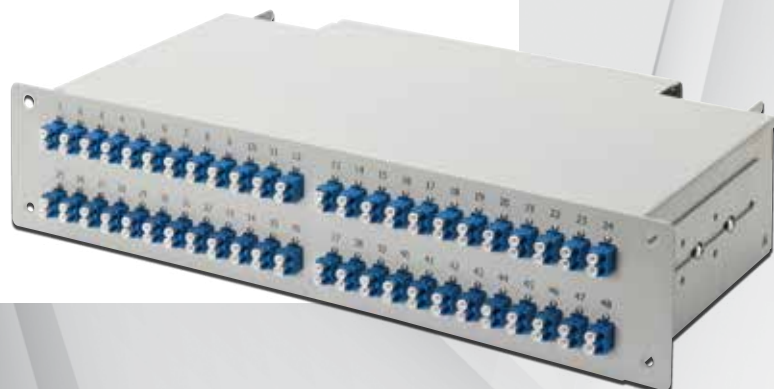
- Accepts loose tube, distribution and pre terminated cables
- Changeable adaptor panels
- Pulled-open front pulled-out tray
- Optional splice tray kit for on site conversion

Specifications

- Cold Rolled Steel
- Durable textured powder coat finish available in black or gray
- Universal 19/21" EIA/TIA rack compatibility
- Front and back side mounting options

Applications

- Telecommunication closets
- Data Centers
- LAN / WAN Networks
- Central Offices / Headends
- Hubs / Cabinets / Remote Terminals
- FTTH / FTTB Networks



Splice Box 2U Extendable, unequipped



Mechanical Features Housing

Material:	Full metal painted grey RAL 7035 or black 9005
Mounting:	Up to 96 fibers / 10x splice cassettes, up to 192 fibers (at 24 fibers per cassette)
Pulling force:	Cable strap and PG screw connection
Cable entries:	4 possible entries about (PG 13.5 or PG 16)

Mechanical Features Front Plate

Material:	Full metal painted grey RAL 7035 or black RAL 9005
Outbreaks:	LC/DX, SC/SX, SC/DX, ST/SX
Labeling:	Numbers as screen printing
Measurements (HxWxD):	89 (2U)x432x10 mm

Scope of Delivery and Packaging

Splice Box incl. Drawyer
Fixing screws for front plate
Packed in a box
Front panel packed in a polybag

Empty housing

DN-963200-2U

Front panels

	24	48
LC/DX	DN-96233-2U	DN-96234-2U
SC/DX	DN-962223-2UDX	DN-96224-2UDX
ST/SX	DN-96213-2U	DN-96214-2U

2U Splice Box equipped with Couplers, Pigtails and Splice Cassettes

	OM2	OM3	OM4	OS2
48 LC/DX	DN-96334-2U	DN-96334/3-2U	DN-96334-4-2U	DN-96334/9-2U
48 SC/DX	DN-96324-2U	DN-96324/3-2U	DN-96324-4-2U	DN-96324/9-2U
48 ST/SX	DN-96314-2U	DN-96314/3-2U	DN-96314-4-2U	DN-96314/9-2U

2U Splice Box equipped with Couplers

	OM2	OM3	OM4	OS2
48 LC/DX	DN-96434-2U	DN-96434/3-2U	DN-96434-4-2U	DN-96434/9-2U
48 SC/DX	DN-96424-2U	DN-96424/3-2U	DN-96424-4-2U	DN-96424/9-2U
48 ST/SX	DN-96414-2U	DN-96414/3-2U	DN-96414-4-2U	DN-96414/9-2U

Front Cable Management Panel

This cable management is suitable for 1 or 2 HU Splice. With its rounded ends fibers and cables are gently moved into the correct position. At the ends you can use strain relief in the form of cable Quick ties or Velcro. It is suitable for 19-inch units.



368380 / DN-9680RG-M1
Front cable management panel

1U Cable Tray for Fiber Optic Cables

The extendible cable tray from DIGITUS® Professional is suitable for the storage of fiber optic cables inside the 19" cabinet. The cable entries are rounded to comply with the bend radius. The cable tray has a "pull-out-stop-mechanism" which safes cables from crushing when sliding out the shelf. The cable routing can be done on both sides of the front; therefore appliances for strain relief are present.

- Extendible cable tray for fiber optic cables
- Cable routing on both sides
- For installation in 19" cabinets
- Rounded cable inputs
- incl. "pull-out-stop-mechanism" & appliance for strain relief
- 50 mm depth cable management in front of the 19" profile rails
- Dimensions (HxWxD): 44.45 (1U) x 483 (19") x 300 (+ 50) mm
- 1.0 mm strong sheet steel, varnished
- Color: grey (RAL 7035)

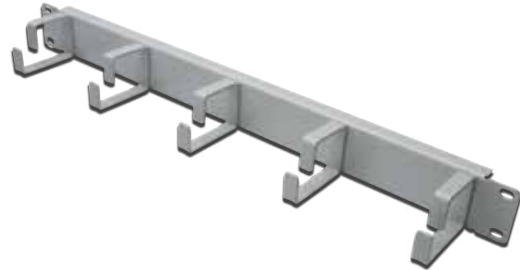


368373 / DN-9680RG-W1
Cable tray for fiber optic cables, 1U, 19" drawer, 44.45x483x350 mm, rounded cable inputs, color grey (RAL 7035)

1U Cable Management Panel for Network & Server Cabinets

The DIGITUS® Professional Cable management panel is fixed at the mounting angles of 19" cabinets and provides an optimized cable management due to 5 clamps each. It is available in 1 high unit or 2 high units and in colors grey (RAL 7035) or black (RAL 9005).

- Fixing at 483 mm (19") mounting angles
- Sheet steel
- 5 cable clamps, 40 x 60 mm (1U), 80x60 mm (2U)
- Color grey (RAL 7035)



266457 / DN-97601

Cable Management, 1U, WxDxH 483x80x44mm

Cable Fixing Rails for Professional Network Cabinets

Suitable for mounted DIGITUS® 19" network and server cabinets. Mounting into depth of the cabinet. Fixing of cables by cable straps.

- Fixing at mounting angles
- For cabinets with a depth of 800 and 1000 mm
- Sheet steel
- Complete with fixing material



163473 / DN-19 ORG-1S

Cable clamp rail, WxDxH 679x10x44 mm

1U Cable Management Cage

Provides a neat cable management and improves passive cooling

The DIGITUS® Cable management cage is fixed at the mounting angles of 19" cabinets and provides an optimized cable management, with removable front shield. It is available in colors grey (RAL 7035) or black (RAL 9005).

- Fixing at mounting angles
- Sheet steel
- Removable front shield
- Color grey (RAL 7035)



279204 / DN-97616

1U cable management cage

Splice Cassette for 12 Fibers



Different cable entries allow an optimal core connection.

- Suitable for up to 12 fiber cores
- Inclusive cover and splice comb
- Splice holder for 12 x crimp splice protector

266501 / DN-96101

2 x 6C splice comp for shrinkable tubings

285298 / DN-96103

Splice cassette for 12 fibers

285298 / DN-96104

Splice cassette for 36 fibers

Strain Relief for Optical Fibers



Suitable for 12 fibers in splice cassette

279440 / DN-96102

Strain relief for optical fibers

Mechanical Splice for Optical Fiber 250 µm up to 900 µm



Reduce your costs - Assembly time less than 45 sec after preparing fiber ends.

- Usable for 125 µm fiber with outer diameter cladding 900/900 µm and 250/900 µm
- Transparent body for immediate connection confirmation
- Applicable for optical fiber cable joint and FTTH drop cable
- Usable inside and outside of buildings

301257 / ALWL-SPM-21-1

Mechanical splice - 900/900 µm, 250/900 µm

301264 / ALWL-SPM-31-1

Mechanical splice - 900/900 µm, 250/900 µm, 250/250 µm

Crimp Splice Protection



Sandwich splice protection for fiber core.

- Dimensions: 1.2 x 3.2 x 30 mm

007364 / AL-SK3

Crimp splice protection, set 12 pcs.

344346 / AL-SK5

Fiber Optic 3mm Shrink splice protection 40 mm, 100 pcs.

349297 / AL-SK6

Fiber Optic 2 mm shrink splice protection, 40 mm, 100 pcs.

Fiber Blind Plate



- Used in termination boxes to cover ports not used
- Avoids dust and dirt in termination boxes
- Shipment: 100 pcs. per polybag
- Material: plastic, black

262848 / AL-BP-ST

ST simplex blind plate

Fiber Blind Plate



- Used in termination boxes to cover ports not used
- Avoids dust and dirt in termination boxes
- Shipment: 100 pcs. per polybag
- Material: plastic, black

262862 / AL-BP-SCD

SC duplex blind plate

Splice Holder

Special splice holder for mechanical splice

- For 6 mechanical splices
- For ALWL-SPM-21 and ALWL-SPM-31
- For mounting in ALWL-SC2AP



305866 / ALWL-SHM-06

for ALWL-SPM-21 and ALWL-SPM-31

ECoDF //

The ECoDF Fiber Distribution Cabinets are an exceptionally rugged and strong cabinet enabling it to be used for all application. ECoDF offers highly cost-effective and assembly-friendly solutions for numerous applications in the field of fiber. ECoDF is highly-configurable to the end-users requirements and provides unique features to benefit system designers, installers and network managers. The completely assembled standard cabinet can be delivered as a single enclosure with side panels or as a side by side cabinet without side panels. The rigidly modular frame construction can be dismantled and assembled easily without any special tools.

Features

- Secure side panels and front doors, with lockers and hinges
- Openable, lockable, removable side panels
- Standard 19" & ETSI Installations
- Bend radius protection throughout the frame
- Fully front accessibility
- Maximum flexibility and modularity
- Modular cold rolled steel construction
- Durable textured powder coat finish available in black (RAL9005) or Light Grey (RAL7035) and front doors
- Back to back or/and side to side mounting
- Possible for wall mounting

Applications

- Exchange, primary distribution points, customer's premises
- Central Offices, telecommunication equipment rooms
- Weather-protected locations, such as building basements
- FTTX applications

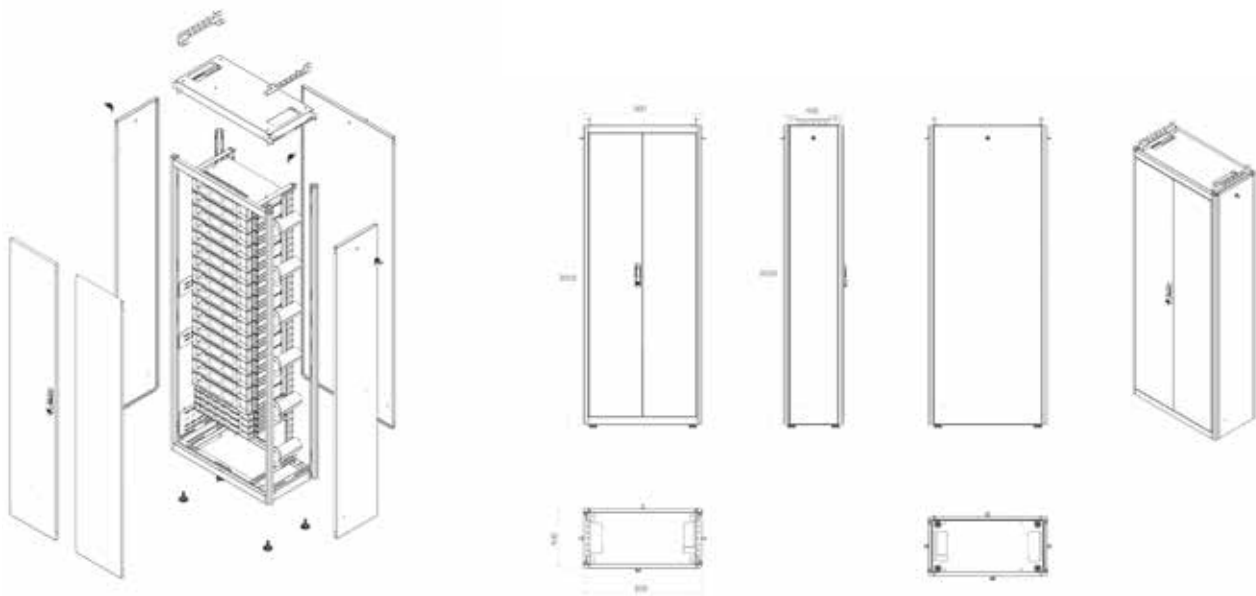


19" Optical Distribution Frame Cabinets

The DIGITUS® Professional ODF product range is made for high demand IT-Infrastructure Solutions - designed and developed on highest standards.

The DIGITUS® Professional 19"-Fiber Optical Distribution Frame Cabinets (ODF) are made of a remarkable sturdy cold rolled steel construction which enables them to be used for all applications. The ODF series offers highly cost-effective and assembly-friendly solutions for all types of application in the field of fiber optic technique. It is flexible configurable to the end-users requirements and provides unique features e.g. for system designers, installers and network managers. A completely assembled standard cabinet can be delivered as a single enclosure with side panels or as a side by side cabinet without side panels. The sturdy modular frame construction can be dismantled and assembled easily without any special tools. The DIGITUS® Professional ODF cabinets are available as 36U, 42U, 47U (height units) with 800 mm width and 400 mm depth and as 42U and 47U with 900 mm width and 300 mm depth in standard colors grey (RAL 7035) or black (RAL 9005).

- Secure side panels and front doors, with lockers and hinges
- Openable, lockable and removable side panels and front doors
- Standard 19"- & ETSI installations
- Bend radius protection throughout the frame
- Fully front accessibility
- Maximum flexibility and modularity
- Modular cold rolled steel construction
- Durable textured powder coat finish
- Back to back- or side to side mounting possible



367819 / DN-19 ODF-36U-8/4

36U Optical Distribution Frame Cabinet, 1738 x 800 x 400 mm, with side panels and doors, color grey (RAL 7035)

367826 / DN-19 ODF-42U-8/4

42U Optical Distribution Frame Cabinet, 2010 x 800 x 400 mm, with side panels and doors, color grey (RAL 7035)

367840 / DN-19 ODF-42U-9/3

42U Optical Distribution Frame Cabinet, 2010 x 900 x 330 mm

367833 / DN-19 ODF-47U-8/4

47U Optical Distribution Frame Cabinet, 2200 x 800 x 400 mm

367857 / DN-19 ODF-47U-9/3

47U Optical Distribution Frame Cabinet, 2200 x 900 x 330 mm

19" Open Optical Distribution Frames

The DIGITUS® Professional ODF product range is made for high demand IT-Infrastructure Solutions - designed and developed on highest standards.

The DIGITUS® Professional 19"-Fiber Optical Distribution Open Frames (ODF) are made of a remarkable sturdy cold rolled steel construction which enables them to be used for all applications. The ODF series offers highly cost-effective and assembly-friendly solutions for all types of application in the field of fiber optic technique. It is flexible configurable to the end-users requirements and provides unique features e.g. for system designers, installers and network managers. Furthermore, the Open Frames are delivered as flat package product which offers economic transport features and cost schemes. The product range is available as 27U, 36U, 42U, 45U, 48U with 800 mm width and 380 mm depth in standard colors grey (RAL 7035) or black (RAL 9005).

- Secure side panels
- Openable, lockable and removeable side panels
- Standard 125 mm wide side panels (270 mm wide side panels available on request)
- Bend radius protection throughout the frame
- Fully front accessibility
- Maximum flexibility and modularity
- Incl. feet group
- Modular cold rolled steel construction
- Durable textured powder coat finish
- Delivered in flat package



367895 / DN-19 OODF-27U-8/3

27U Open Optical Distribution Frame, 1356 x 800 x 380 mm

367901 / DN-19 OODF-36U-8/3

36U Open Optical Distribution Frame, 1756 x 800 x 380 mm

367918 / DN-19 OODF-42U-8/3

42U Open Optical Distribution Frame, 2022 x 800 x 380 mm

367925 / DN-19 OODF-45U-8/3

45U Open Optical Distribution Frame, 2155 x 800 x 380 mm

367932 / DN-19 OODF-48U-8/3

48U Open Optical Distribution Frame, 2289 x 800 x 380 mm

19" Optical Distribution Frame Wall Mount Cabinets

The DIGITUS® Professional ODF product range is made for high demand IT-Infrastructure Solutions - designed and developed on highest standards.

The DIGITUS® Professional 19"-Fiber Optical Distribution Frame Wall Mount Cabinets (ODF) are made of a remarkable sturdy cold rolled steel construction which enables them to be used for all applications. The ODF series offers highly cost-effective and assembly-friendly solutions for all types of application in the field of fiber optic technique. It is flexible configurable to the end-users requirements and provides unique features e.g. for system designers, installers and network managers. A completely assembled standard cabinet can be delivered as a single enclosure with side panels or as a side by side cabinet without side panels. The sturdy modular frame construction can be dismantled and assembled easily without any special tools. The DIGITUS® Professional ODF wall mount cabinets are available as 22U, 26U, 32U with 800 mm width and 400 mm depth in standard colors grey (RAL 7035) or black (RAL 9005).

- Color: Grey (RAL 7035)
- Secure side panels and front doors, with lockers and hinges
- Openable, lockable and removable side panels and front doors
- Standard 19"- & ETSI installations
- Bend radius protection throughout the frame
- Fully front accessibility
- Maximum flexibility and modularity
- Modular cold rolled steel construction
- Durable textured powder coat finish
- Back to back- or side to side mounting possible



367864 / DN-19 WODF-22U-8/4

22U Optical Distribution Frame Wall Mount Cabinet, 1125 x 800 x 400 mm

367871 / DN-19 WODF-26U-8/4

26U Optical Distribution Frame Wall Mount Cabinet, 1300 x 800 x 400 mm

367888 / DN-19 WODF-32U-8/4

32U Optical Distribution Frame Wall Mount Cabinet, 1738 x 800 x 400 mm

Distribution Cabinets 600, 800 mm width – 1000, 1200 mm depth



- IP20 protection rating
- 80% perforated steel front and rear door with swiveling lever handle and profile cylinder
- 4-point locking mechanism front door, 3-point locking mechanism rear door
- Lockable side panels
- EMKA 333 lock (front and rear door)
- EMKA 9081 lock (side components)
- 230° Door opening angle, front and rear door
- Door stop is easily changeable
- Modular aluminum frame construction
- High frame strength thanks to special flexible sheet technology
- 1.5 mm sheet steel
- 1000 kg load capacity
- 19" DIN rails mounted in the front and rear inside the cabinet
- 19" Variable-depth DIN rails
- 19" DIN rails with RU markings
- Large cable inlet with foam rubber sealing on the bottom and roof module
- Leveling feet for secure installation and positioning
- Roof ventilation module for mounting fan panel
- 2 screws for doors and side panels
- Available in colors RAL7035 light grey and RAL9005 black
- Multiple grounding points in cabinet for installed components
- Product is supplied fully assembled
- Comprehensive accessories available

Some significant advantages of this cabinet series are air circulation (high perforation 63%) and cooling management (ventilation). The Unique series allows easy access to components via a quick-release fastener system for the side panels as well as the front and rear door. Each cabinet is equipped with two sets of robust 19" DIN rails, which can be adjusted throughout the cabinet's entire depth. Between the DIN rails are four sets of depth stays, which give the cabinet extra rigidity.

This cabinet series has a load capacity of up to 1000 kg. The swiveling lever handle contains a 4-point locking mechanism on the front door and a 3-point locking mechanism on the rear door. All in all, the Unique server cabinet is the perfect solution for your server room.



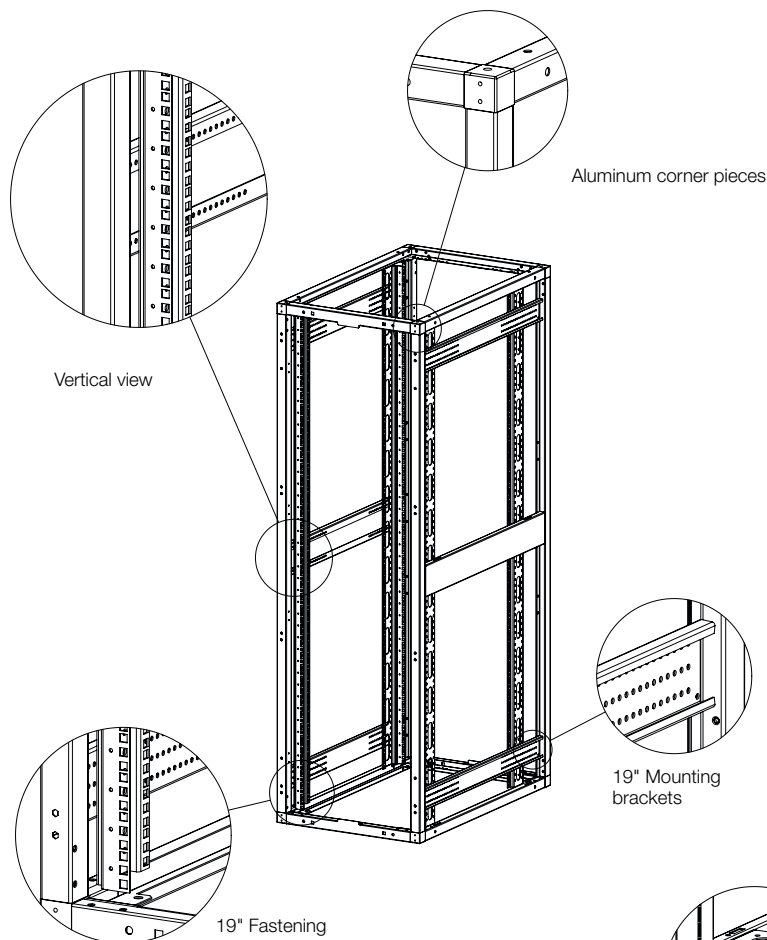
Swiveling lever handle



Lateral cable duct

Rack units RU	42	42	42	42	42	47	47	47	47	42	47
Width: mm	600	600	600	800	800	600	600	800	800	800	800
Height: mm	2000	2000	2000	2000	2000	2200	2200	2200	2200	2000	2200
Depth: mm	1000	1200	1200	1000	1200	1000	1200	1000	1200	1200	1200
Plane interval 482.6 mm (19") - plane:	750 mm	750 mm	750 mm	750 mm	750 mm	750 mm	750 mm	750 mm	750 mm	750 mm	750 mm
Order Number:	DN-19 DC 42U-6/10 vd	DN-19 DC 42U-6/12 vd	DN-19 DC 42U-6/12 vd	DN-19 DC 42U-8/10 vd	DN-19 DC 42U-8/12 vd	DN-19 DC 47U-6/10 vd	DN-19 DC 47U-6/12 vd	DN-19 DC 47U-8/10 vd	DN-19 DC 47U-8/12 vd	DN-19 DC 42U-8/12 gd	DN-19 DC 47U-8/12 gd
Supplied with											
Front glass door with tempered safety glass, 180° hinge, with swiveling lever handle and EMKA 333 safety interlock										✓	✓
Front sheet steel door with (Honeycomb ca. 80% empty area), 180° hinge, with swiveling lever handle and EMKA 333 safety interlock	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Closed rear sheet steel door, 180° hinge, with swiveling lever handle and EMKA 333 safety interlock										✓	✓
Rear sheet steel door with (Honeycomb ca. 80% empty area), 180° hinge, with swiveling lever handle and EMKA 333 safety interlock	✓	✓		✓				✓			
Vertically-divided rear sheet steel door with (Honeycomb ca. 80% empty area), 180° hinge, with swiveling lever handle and EMKA 333 safety interlock			✓		✓	✓	✓		✓		
One-piece roof sheeting with 4 lateral and one rear (70 x 360 mm) cable inlet scrap with covered cutout				✓	✓			✓	✓	✓	✓
One-piece roof sheeting with 4 lateral (70 x 360 mm) and one rear (70 x 146 mm) cable inlet scrap with covered cutout	✓	✓	✓			✓	✓				
Multi-part floor module with cable inlet	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
One 482.6 mm (19") variable plane for both the front and rear with depth stays and RU markings	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Lateral air containment for front 482.6 mm (19") plane each with vertical 3 x 2RU (pre-punched).				✓	✓			✓	✓	✓	✓
Lateral air containment for front 482.6 mm (19") plane	✓	✓	✓			✓	✓				
Grounding separately included	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Accessories											
Horizontal side panels divided into 2 with screws and handle grip	DN-19 SP-SRV- 42U-1	DN-19 SP-SRV- 42U-1	DN-19 SP-SRV- 42U-1	DN-19 SP-SRV- 42U-1	DN-19 SP-SRV- 42U-1	DN-19 SP-SRV- 47U-1	DN-19 SP-SRV- 47U-1	DN-19 SP-SRV- 47U-1	DN-19 SP-SRV- 47U-1	DN-19 SP-SRV- 42U-1	DN-19 SP-SRV- 47U-1
Mounting plate for front-rear side	DN-19 CSKD	DN-19 CSKD	DN-19 CSKD	DN-19 CSKD	DN-19 CSKD	DN-19 CSKD	DN-19 CSKD	DN-19 CSKD	DN-19 CSKD	DN-19 CSKD	DN-19 CSKD
Measurable/switchable PDU, 3-phase 32A, 18x13 + 6xC19, IP capable, LED panel	DN- 956018	DN- 956018	DN- 956018	DN- 956018	DN- 956018	DN- 956018	DN- 956018	DN- 956018	DN- 956018	DN- 956018	DN- 956018
1 measurable RU PDU, 8x C13, max. 10A, 1-phase, IP capable, LED panel	DN-95602	DN-95602	DN-95602	DN-95602	DN-95602	DN-95602	DN-95602	DN-95602	DN-95602	DN-95602	DN-95602
1 RU depth-adjustable guide rail, 110 kg load, manufacturer-neutral rack	DN-19 DR	DN-19 DR	DN-19 DR	DN-19 DR	DN-19 DR	DN-19 DR	DN-19 DR	DN-19 DR	DN-19 DR	DN-19 DR	DN-19 DR
1 RU lower shelf, 600 mm deep, 100 kg load, manufacturer-neutral rack	DN-19 TRAY DR	DN-19 TRAY DR	DN-19 TRAY DR	DN-19 TRAY DR	DN-19 TRAY DR	DN-19 TRAY DR	DN-19 TRAY DR	DN-19 TRAY DR	DN-19 TRAY DR	DN-19 TRAY DR	DN-19 TRAY DR
DN Multisensor PRO monitoring system	DN- 95703	DN- 95703	DN- 95703	DN- 95703	DN- 95703	DN- 95703	DN- 95703	DN- 95703	DN- 95703	DN- 95703	DN- 95703

Construction in Detail



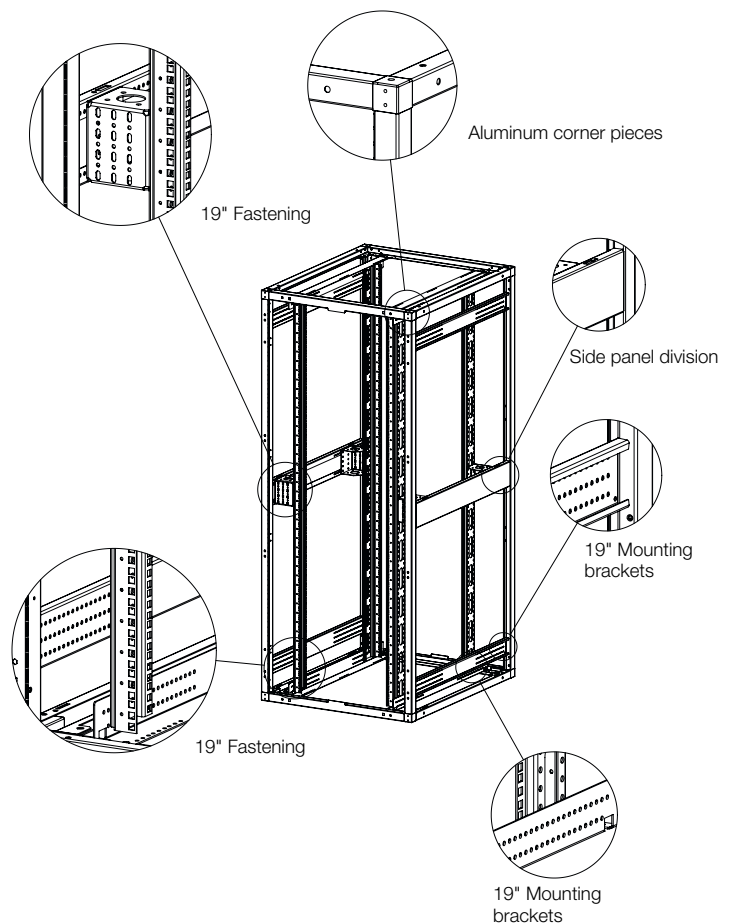
A network and server cabinet must live up to the expectations of modern data centers - among them are the ability to be used in a versatile manner and to be individually customizable.

The DIGITUS® Professional network and server cabinets of the Unique series offer reliable stability no matter where they are used. Thanks to its large construction and its well-thought-out structure, it can be disassembled and reassembled at another location at any time. They are tested for shock and vibration resistance and are also available in an earthquake-resistant design upon request.

EXTRAS

The DIN rails are marked with the corresponding rack unit. This makes installing 19" components even easier and quicker.

For perfect cable management, we offer a comprehensive accessory product range, such as Velcro tape, self-adhesive twist wire tie, and cable straps with a space for labeling.

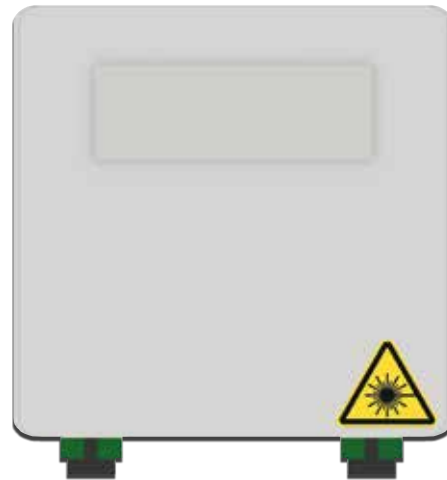


Wall Outlet (FTTH) for 2x SC Simplex/LC Duplex

DIGITUS® Professional Optical Termination Boxes are made for high demand IT-Infrastructure Solutions - designed and developed on highest standards.

The item DN-931087 from DIGITUS® Professional is a wall outlet which was designed to use it in residential and business applications (FTTH) for the termination of up to 2 fibers. The installation is quick and easy.

- Compact & economic design
- Allows cable entry from both sides
- Removeable cover for easy access
- Wall mounting
- Dimensions (HxWxD): 19 x 86 x 86 mm
- Cable ports: 4 cable ports (for cables with max. diameter of 5 mm)
- Capacity: 2 splices
- Adapter capacity: 2x SC Simplex/LC Duplex



368045 / DN-931087

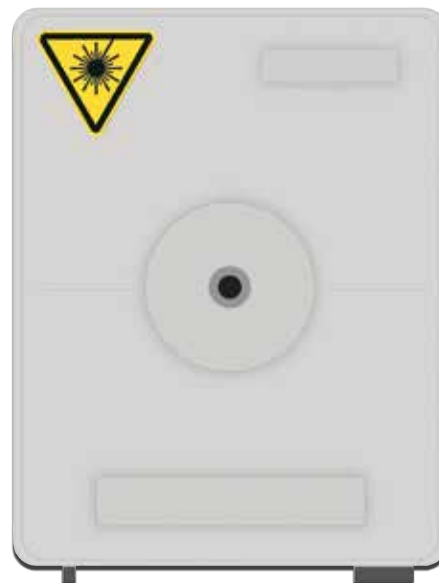
Wall Outlet (FTTH) for 2x SC Simplex, LC Duplex, 2x splice holder, 19 x 86 x 86 mm, color grey (RAL 7035)

Wall Outlet (FTTH) for 2x SC Simplex/LC Duplex

DIGITUS® Professional Optical Termination Boxes are made for high demand IT-Infrastructure Solutions - designed and developed on highest standards.

The item DN-931088 from DIGITUS® Professional is a compact fiber terminal for using at the final fiber termination point. The wall outlet provides mechanical protection and managed fiber control in an attractive format, suitable for indoor use. A variety of possible fiber termination techniques are accommodated.

- Splice holder and pigtail tray
- Excellent fiber management
- Direct termination with field installable connectors
- Sturdy design for indoor use
- Wall mounting
- Dimensions (HxWxD): 23.3 x 82.5 x 105.6 mm
- Cable ports: 2 cable ports (for cable ports with max. diameter of 6 mm)
- Capacity: 4 splices
- Adapter capacity: 2x SC Simplex/LC Duplex



368052 / DN-931088

Wall Outlet (FTTH) for 2x SC Simplex, LC Duplex, 4x splice holder, 23.3 x 82.5 x 105.6 mm, color grey (RAL 7035); without pigtail and coupler

FTTH Outdoor Distribution Box for 24 cores

Outdoor FTTH Box for 2 pieces of 1x8 PLC Splitter (SC Typ)
24 Splices Size 330 x 275 x 100 mm



370987 / DN-968911
FTTH Outdoor Distribution Box, 24 cores

FTTH Outdoor Distribution Box, 2 SC/DX

FTTH Box for Outdoor IP 65; entry for 2 SC Simplex Adapter
or 2 LC Duplex Adapter and 4 splices possible;
Size: 215 x 150 x 50 mm



370994 / DN-968912
FTTH Outdoor Distribution Box

FTTH Outdoor Distribution Box for 6 SC/DX

FTTH Outdoor Distribution Box IP 65 for 6 SC Duplex
Adapter and 12 Splice; Size: 265 x 195 x 60 mm



371007 / DN-968913
FTTH Outdoor Distribution Box for 6 SC/DX

FTTH Distribution Box for 16 Cores

FTTH Outdoor Distribution Box IP65; for 24x SC/SX or 24x LC/DX Adapter and 24 cores; Size: 300 x 220 x 80 mm



371014 / DN-968914

FTTH Distribution Box for 16 cores

Fiber Optic Distribution Box for 8x SC Simplex

Fiber Optic Distribution Box for Indoor, 8x SC/SX or 8x LC/DX Adapter and 6x Splices; Size: 300 x 136 x 43 mm



371021 / DN-968915

Fiber Optic Distribution Box for 8x SC Simplex

FTTH Outdoor Box, 16 Cores

FTTH Outdoor Distribution Box IP65 with Key Lock for 4x SC Simplex or 8x LC Duplex Adapter and 16 cores; Size 320 x 235 x 95 mm



371045 / DN-968916

FTTH Outdoor Box, 16 Cores

Wall Mount Fiber Distribution/Splice Boxes

The Digitus® Professional Distribution Boxes for 12 to 48 splices are designed for use as a wall mount interconnect point where termination and connectivity of up to 48 fibers is desired. This solution allows easy access to patch cords and pigtails after opening the hinged front door. Standard boxes are available empty for complete field configuration, half-loaded with adaptor plates for field termination and cable assembly installation, or stubbed with a factory-installed cable assembly of a user specified length.

- For 12 Splices: Dimension (HxBxT): 200 x 150 x 55 mm
- For 24 Splices: Dimension (HxBxT): 290 x 320 x 88 mm
- For 48 Splices: Dimension (HxBxT): 334 x 436 x 103 mm
- Color: grey (RAL 7035)
- Fits comfortably into new and existing interconnect, cross-connect, customer premise, and co-location environments
- Most common connector styles and types available
- Compatible with industry standard equipment frames
- Single or double door with tube-style keyed lock for flexibility and security
- Cold rolled steel
- Durable textured powder coat finish available in black or white
- Easy changeable adaptor plates
- Standard density: up to 12 fiber, High density: up to 48 fiber
- Standard cable stub location is bottom



Splice Box with Couplers

Couplers	12 (200x150x55 mm)	24 (290x320x88 mm)	48 (334x436x103 mm)
LC/DX	DN-96843S	DN-96843M	DN-96843L
SC/DX	DN-968412S	DN-96842M	DN-96842L
ST/SX	DN-96841S	DN-96841M	DN-96841L

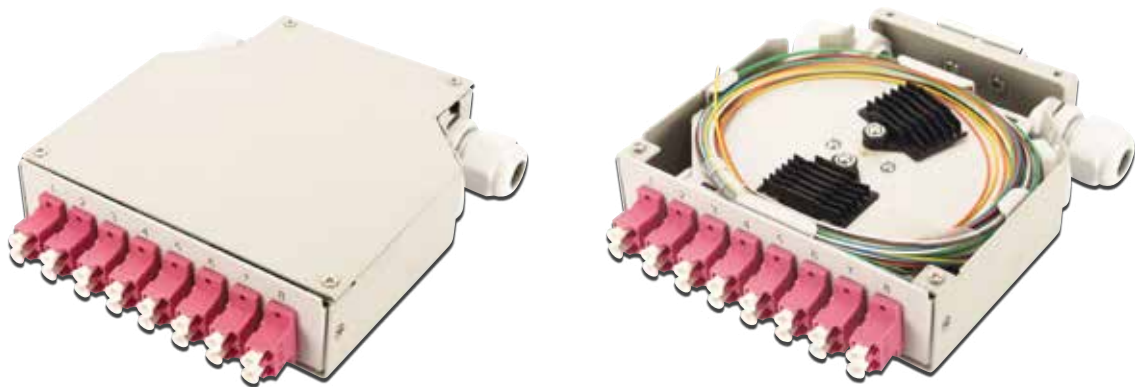
OEM products //

We also develop special solutions for your needs. Our services start at the idea, we research the market whether there are similar products and whether you can use them for your purposes. If this is not the case, we are happy to take over the development of your idea, finished drawings and samples, too. If everything is to your satisfaction, we can manufacture the products. In marketing we are very flexible. Should the design be exclusively for the product, we do not sell it on. We market the products for you to continue trying to reduce the prices by higher volumes of production. Talk to us, we will find a solution!

For an OEM solution:
Splice for 8LC / DX couplings with splice holder for DIN Rail mounting

Distribution Box for DIN Rail

Din Rail Distribution Box for 8x SC/DX Couplers and Spliceholder inside

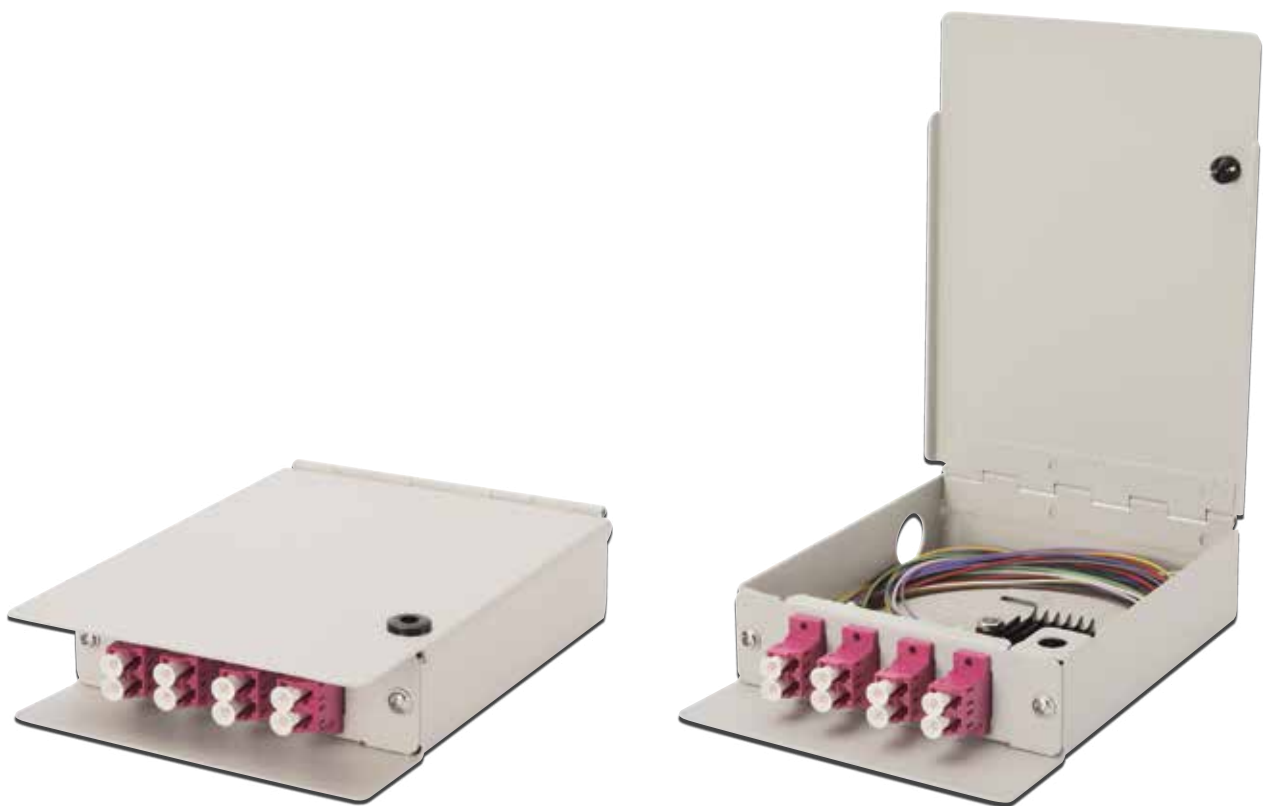


Distribution Box for DIN Rail		
Couplers	Partially assembled with Couplers	Assembled with Couplers and Pigtails
without Couplers	DN-96890	-
LC	DN-964890LC	DN-963890LC
SC	DN-964890SC	DN-963890SC

Fiber Optic Distribution Boxes

This Fiber Optic Distribution Boxes are for splitting the cable. Because of the hinged top it is easily to work at the Pigtails or couplers. The top- and bottom plate is a little bit longer for protecting the couplers, Pigtails and to guide the cables. The Distribution Box can be used at a wall or you can put it on platform. We have 3 versions of this Distribution Box:

- DN-962804 is for 4 LC/DX or 4 SC/SX couplers
Dimension: 140 mm x 105 mm x 30 mm (L x W x D)
- DN-962808 is for 8 x LC/DX or SC/SX couplers
Dimension: 170 x 120 x 35 mm (L x W x D)
- DN-962816 is for 16 x LC/DX or SC/SX couplers
Dimension: 220 x 200 x 40 mm (L x W x D)



Partially assembled with couplers

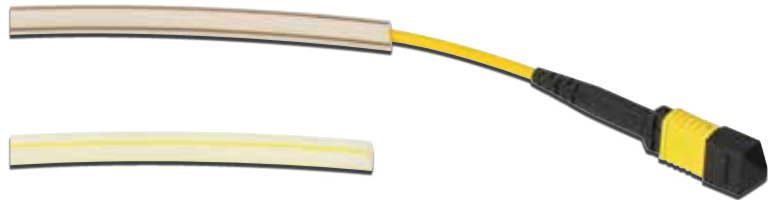
	4	8	16
LC	DN-964804LC	DN-964808LC	DN-964816LC
SC	DN-964804SC	DN-964808SC	DN-964816SC

Assembled with couplers and Pigtails

	4	8	16
LC	DN-963804LC	DN-963808LC	DN-963816LC
SC	DN-963804SC	DN-963808SC	DN-963816SC

Transparent Pipes for Fiber Optic Cable Installations, 7/4 mm

- Ability to build in into bigger pipes
- Delivery on drum (minimum of 5 km)
- Internal rifflled surface
- High Density Polyethylene (HD-PE)
- Thickness: 0.75 (+/-0.1)
- Density: > 0.950
- Pull force: 80N; Pull burst: 230N; Pressure burst: > 30 BAR
- Drum size: 1200 x 400



368717 / DK-3501-7/4

Flexible pipe, transparent diameter 7/4 mm

368700 / DK-3501-12/8

Flexible pipe, transparent diameter 12/8 mm

368724 / DK-3501-16/12

Flexible pipe, transparent, diameter 16/12 mm

Flexible Empty Tubes for Fiber Optical Applications, 16 mm

The standard installation tube is suitable for the electro installation for flush- or cavity wall mountings. This light weight empty tube consists out of flexible plastic for small comprehensive stress.

- Material: Polyoefin
- Flexible
- Color: Black
- DIN EN 50086-1/50086-2-2, classification 2232
- Pressure resistance: 320 N/5 cm
- Flame retardant
- Self-extinguishing
- Corrosion-proof
- Temperature range: -15 °C up to +90 °C



368687 / DK-3501-16

Flexible empty tube, diameter 16 mm, color black

368694 / DK-3501-23

Flexible empty tube, diameter 23 mm, color black

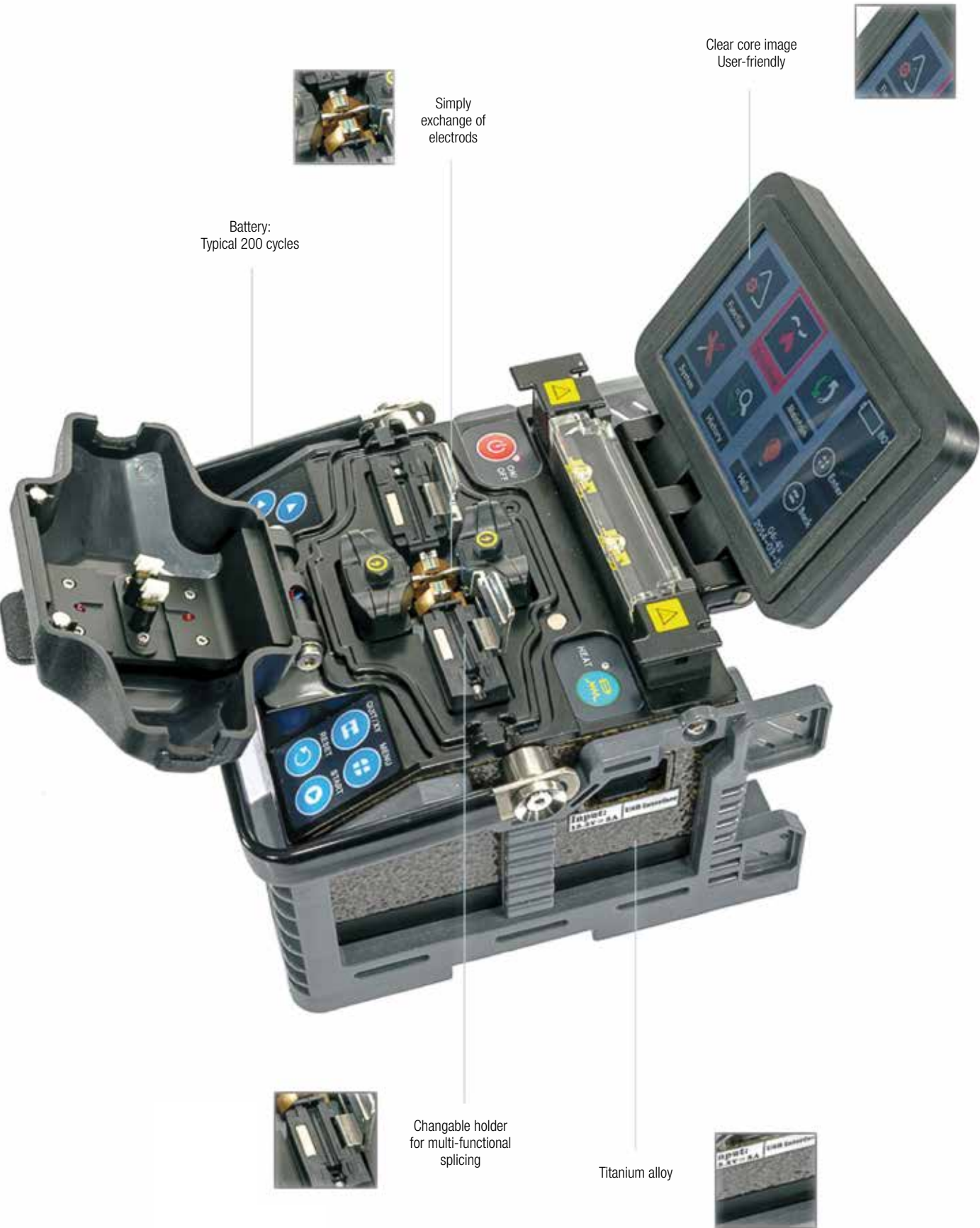
Fiber Master S2T-10A

The housing is made of titanium alloy with rubber protection, and it is splashproofed and dustproof. A splice is implemented in 9 seconds. If you compare the Heating in the long run it is done in 25 seconds. You can do about 200 splices because our Lithium Batteries are without memory effect. The fiber cutter has a long life, as well as a simple Maintenance handling. The S2T - 10A splicer has 4 engines and is a high speed splicer. It has a user-friendly handling at the 4.3 inch LCD screen.

- Light weight, 1.52kg (exclude battery)
- Harsh weather conditions adaptable
- Titanium alloy, waterproof, dustproof
- Quick optimize menu
- High precision splicing
- USB 2.0 master port, easy to upgrade software
- Fast - 9s fast splicing , 35s fast heating
- Small Size: 130 x 160 x 145 mm (HxWxD)



Fiber Master S2T-10A



Fiber Master S2T-10A



Fiber Master S2T-10A

Specification	
Applicable fiber type	SM (single-mode, ITU-T G.652), MM (Multi-mode, ITU-T G.651), DS. (Dispersion displacement, ITU-T G.653), NZDS (Non-zero dispersion displacement, ITU-T G.655)
Average loss	0.02 dB (SM), 0.01 dB (MM), 0.03 dB (DS), 0.04 dB (NZDS)
Return loss	≥ 60 dB
Electrode lifespan	>2000 arcs /cykli
Coating diameter	250-900 [μm]
Cladding diameter	125 [μm]
Average Splice time	9 s (SM)
Average heating time	35 s
Pull test	2N
Data interface	USB 2.0 (software upgrade via USB interface)
Battery	Typical full cycle 220 (splice / heat shrink / thermal stripping on a single charge 3h)
Screen	4.3 inch color LCD
Optical magnification	X / Y: 115 times, X or Y: 230 times
Size (H x W x D)	130 x 160 x 145 mm
Weight	1.54kg (without battery), 1.82kg (including battery) including attachments packing gross weight: 5.38kg
Operating environment	Altitude 0 - 4000m, 0 to 95% relative humidity, temperature -10°C - 55 °C, the maximum wind speed 15m / s
Storage environment	Relative humidity:0-95%, Temperature: -40°C -80°C (Except Battery), Temperature: -10°C - 30°C (Battery)
Power Supply	11.1V Lithium battery, 13.5V/5A power adapter, 12V power source available on the car

374190 / S2T-10A

Fusion Splicer

374206 / S2T-30A

High Precision Cleaver

374213 / S2T-31A

Blade for high precision Cleaver

374220 / S2T-20A

Electrode (2 pcs)

Fusion Splicer for Singlemode and Multimode Fibers

Digital fusion splicer with automatic focus function. The fiber core can be displayed clearly. Simultaneous single X or Y view and X & Y view. Auto detect cleaved endface.

- Application Fiber SM (G652); MM (G651); DS (G653); NZDS (G 655)
- Splicing time 9 sec; heating Time 36 sec; splicing modus auto or normal;
Terminal for USB and VGA, softwareupgrade via USB interface
- 5.1 inch TFT color LCD monitor with clear digital image display
- USB & VGA interface
- Software upgrade via USB interface



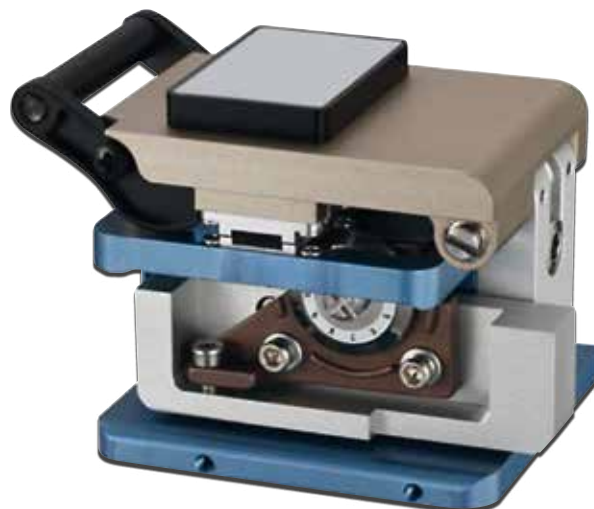
370901 / S2T-FS600

Fusion Splicer for Singlemode and Multimode Fibers

Optical Fiber Cleaver

Optical fiber cleaver that can be easily used. Thanks to rotating blades unlimited highprecision cutting is enabled. Cleave angle: < 1 degree, replaceable blades, 16 cleave spots. Up to 50,000 fiber cuts possible.

- Bare fiberdiameter 0.25 mm-0.9 mm
- Outercoat diameter 125 µm
- Fibertype Single tube fiber and Ribbon fiber (exchanable)
- Cleave length 9 to16 mm (oslash 0.25)
- Mode semiautomatic
- Weight 255 g
- Blade life 36000 cleaves
- Adjustable cleave length:10-20 mm



370918 / S2T-TC500

Optical Fiber Cleaver

Optical Fiber Ranger

OT4 portable optical time domain reflectometry (OTDR) is the latest FTTx optical fiber cable-based test instrument. It has light weight, elegant appearance, small size, easiness of installation and maintenance, high-capacity built-in battery. It provides multiple built-in test wavelengths and optical testing functions like visual fault locator (VFL). As a new product specially designed for FTTx network testing, it provides site technicians with the highest performance and upgrade services.

- Fiber Type: Single Mode; Dynamic Range 36/35 dB; Measurement Range 140-160 km



370932 / S2T-OT4
Optical Fiber Ranger S2T-OT4

Optical Fiber Ranger

OR33 Optical Fiber Ranger is the most portable test instrument in the industry. It adopts the OTDR technical principles and integrates the powerful analysis software, which enables the OR3 Optical Fiber Ranger detect fiber faults location more accurate and easy.

- Portable, rugged, lightweight; Easy to use.
- More accurate testing results and better repeatability.
- Up to 8 fiber faults can be detected in each measurement.
- Automatic Pulse Width Control design to ensure a convenient operation.
- Easy to identify the faults location.
- Built-in visual fault locator (VFL), conveniently to find the faults in dead zone.
- Dust, water and shock proof, designed for field use
- Long battery life, up to 5000 measurements operation



370949 / S2T-OR3
Optical Fiber Ranger

Antenna Tester

The Antenna Tester AT88 is an Antenna Tester for 4 G. The Frequency is from 300M up to 4 G

- Frequency Range 600MHz ~ 4GHz
- Frequency Resolution 1kHz
- Frequency Precision 5ppm
- Direction $\geq 42\text{dB}$ Source Match $\geq 31\text{dB}$
- Anti-jamming Capability signal path (+17 dBm) /frequency (-5 dBm)
- Scanning Time 2ms/frequency
- Return Loss Range 0.00-55.00dB
- Resolution 0.01dB
- VSWR Range 0.00-65.00, Resolution: 0.01



370956 / S2T-AT88
Antenna Tester

Optical Multimeters

The OMx handheld optical multimeter integrates the functions of an intelligent optical power meter module and of a highly stable light source module in one unit which can perform closed-loop tests by incorporating both modules. Individual regimes of operation can also be manually chosen using menu operation to switch functions. A perfect combination to make your optical fiber tests a lot more convenient.

- Includes all the outstanding functions of handheld intelligent power meter (OM32A)
- Includes all the outstanding functions of handheld stable light source (OM7B)
- Switching of the power meter function and that of the light source by menu operation
- Different light sources and power meters can be built into OM7C



372370 / S2T-OM32A
Optical Multimeter with Power Meter + Laser Source

370963 / S2T-OM7C
Optical Multimeter with Light Source + Power Meter + Laser Source

Optical Power Meters

The PM3 Handheld Optical Power Meter is a newly designed fiber optic tester, which aims at the installation, engineering acceptance and maintenance of fiber network.

- Wave ID Auto wavelength identification & switching
- Frequency ID - Auto frequency identification
- 2 types of backlight modes, manual or outside light intensity, which indicated by LED light red or blue color.
- Intelligent backlight
- 1000 records storage or download via USB cable
- USB communication port for saved testing records download
- Reference power level can be set up and stored
- User self-calibrating function
- Auto-off function
- Up to 240hrs battery life



372387 / S2T-PM1
Optical Power Meter Measurement Range -50+26 dBm

372387 / S2T-PM30A
Optical Power Meter Measurement Range -70+10 dBm

Optical Variable Attenuator

Fast transition speed to reduce testing time. Flat spectral response to reduce wavelength dependant uncertainty. Maintains selected attenuation level when the unit is powered down. Quick start operation requiring no warm-up time and reducing testing time. 10 minutes Auto-off function. LCD display with backlight. Up to 48 hours battery life.

- Calibration wavelengths: [nm] 1310/1550
- Attenuation range: 0 ~ + 60 dB; Uncertainty +0.2 dB (5%)
- Display resolution: 0.1 dB
- Optical connectors: FC
- Battery operating time: ~ 48 h
- Operating temp.: -10 ~ + 60 C°
- Storage temp.: -25 ~ + 70 C°
- Dimensions: 190 x 100 x 48 mm
- Weight: 290 g



372394 / S2T-VA33B
Optical Variable Attenuator

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Classification of Fiber and Fiber Length

Ethernet	Wave Length	OM1	OM2	OM3	OM4	OS2
100 Mbit/s	850 nm	300 m	300 m	30 m		
100 Mbit/s	1310 nm	2000 m	2000 m	2000 m	2000 m	10 km
1 Gbit/s	850 nm	300 m	500 m	1000 m	1000 m	
1 Gbit/s	1310 nm	500 m	500 m	500 m	500 m	5 km
10 Gbit/s	850 nm	30 m	80 m	300 m	500 m	
10 Gbit/s	1310 nm	220 m	220 m	220 m	220 m	10 km
10 Gbit/s	1550 nm					40 km
40 Gbit/s	850 nm			200 m	125 m	
40 Gbit/s	1310 nm					10 km
40 Gbit/s	1550 nm					40 km

Fiber Channel	OM1	OM2	OM3	OM4	OS2 1310 / 1550
1 Gbit/s	300 m	500 m	800 m		10 km / 50 km
2 Gbit/s	150 m	300 m	500 m		10 km / 50 km
4 Gbit/s	70 m	150 m	380 m	400 m	10 km
8 Gbit/s	20 m	50 m	150 m	190 m	10 km
16 Gbit/s	15 m	35 m	100 m	125 m	10 km / 50 km

Coding for Indoor Optical Fiber Cables According to VDE DIN 0888

Code	Description
J-	Indoor cable
V	Tight buffer
H	Loose buffer, unfilled
W	Loose buffer, filled
Y	PVC-cable jacket
H	Jacket of halogen free material
n	Fiber number
E	Single-mode fiber
G	Multi-mode fiber
n	Core diameter (µm)
n	Jacket diameter (µm)
n	Damping coefficient (dB/km)
B	Wavelength = 850 nm
F	Wavelength = 1300 nm
H	Wavelength = 1550 nm
n	Bandwidth (MHz x km) resp. Dispersion (ps/(km x nm))





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