

DIAMOND

Fibre-optic cable components

PATCH CABLES AND MATING ADAPTERS

Numerous apartments and single-family homes throughout Switzerland have been connected to the fibre-optic broadband network and the Diamond/Feller socket has already been installed in many places. Even if everything was carefully planned before, a connection socket is seldomly in the place where a device finally ends up, be it a telephone connection, internet or the television.

OTO is in the wrong place, what do I do now?

In most cases, the interconnection point (OTO) of the TV/Internet/ and telephone provider is in the basement or at the first telephone socket in the living room. If the Triple Play Box is needed in a different place, the owner or tenant needs to take care of that on his own.

With the unique DiaLink connection systems developed by Diamond, it is now possible to install a feed-in fibre-optic cable quickly, easily and without the need for additional tools.

Installation

The fibre optic extension cable can be installed under the trim and routed to the desired position. The Triple Play Box is directly connected using the DiaLink plug counter piece. If, however, the connection should be located in a different room, such as a study, the cable can be installed in using existing installation tubes. A Diamond/Feller fibre socket is mounted through the opening in the wall and the DiaLink Saver is inserted into the fiber optic adapter of the socket.

FEATURES

- ▶ Smaller diameter suited for thinner tubes
- ▶ Tractive cap for easy feeding into the installation tube
- ▶ Connector front faces protected even when disconnected
- ▶ Robust cable, crushproof up to 480 kg
- ▶ Fiber optic cables can be installed in existing tubes along with 230 V cables;
- ▶ No special tool is needed

TECHNICAL SPECIFICATIONS

	MULTIMODE 0° PC	SINGLE MODE 8° APC	UNIT	TEST CONDITIONS
Insertion loss (IL)*	typ. 0.15 max. 0.4	typ. 0.2 max 0.5	dB	IEC 61300-3-4; $\lambda = 1300/1550$ nm
Return loss (RL)*	Min. 70	min. 75*	dB	IEC 61300-3-6; $\lambda = 1550$ nm
Repeatability	max± 0.1		dB	IEC 61300-2-2; $\lambda = 1300/1550$ nm
Service life	500 connection cycles			IEC 61300-2-2
Operating temperature	-40 / +85**		°C	

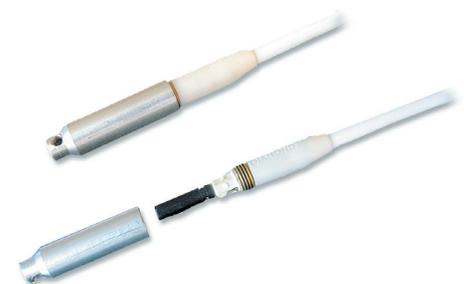
* Measured with a precision reflectometer

** The temperature range of the cable in use can limit connector specifications

- ▶ DiaLink connection termination: at 20-25N
- ▶ Cable tension limit for protective cap with coupling eye: 300 N (30 kg)

DiaLink

In-house installation variants



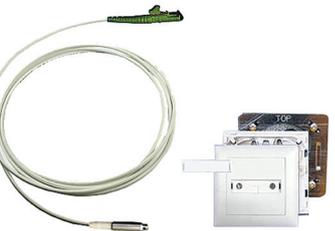
DiaLink connector with feed-in cap



1-2: Interconnection point in the basement (single-family house) or in the living room (apartment building). 3-4: Desired connection in the living room or any other place.

ORDERING INFORMATION

SHORT DESIGNATION	DESCRIPTION	E-NUMBER	ORDER NUMBER			
FTTH connection cable Standard	FTTH connection cable socket - router Connector on socket side: F-3000™ LC APC green, Single mode cable, pressure load max. 480 kg, white LSFH™ sheath Connector on router side: SC PC blue L = 10 metre L = 15 metre L = 20 metre L = 25 metre L = 30 metre L = 60 metre	101948101	EQED 1069642			
		101948151	EQED 1069643			
		101948201	EQED 1069644			
		101948251	EQED 1069645			
		101948301	EQED 1069646			
		101948601	EQED 1069647			
		Connector on router side: F-3000™s PC blue*	101949101	ENB 1073716		
			101949151	ENB 1073717		
			101949201	ENB 1073718		
			101949251	ENB 1073719		
			101949301	ENB 1073720		
			101949601	ENB 1073721		
		FTTH Extension cable with DiaLink coupling	FTTH extension cable Socket - Router, including DiaLink with feed-in cap manufactured for simple feed-in in existing installation tubes or wall openings. Connector on socket side: F-3000™ LC APC green, Single mode cable, pressure load max. 480 kg, white LSFH™ sheath Connector on router side: SC PC blue L = 10 metre L = 15 metre L = 20 metre L = 25 metre L = 30 metre L = 60 metre	101988101 101988151 101988201 101988251 101988301 101988601	EQED 1069069	
					EQED 1069649	
EQED 1069650						
EQED 1069651						
EQED 1069652						
EQED 1069653						
Connector on router side: F-3000™s PC blue*	101989101			EO1A 1073722		
	101989151			EO1A 1073723		
	101989201			EO1A 1073724		
	101989251			EO1A 1073725		
	101989301			EO1A 1073726		
	101989601			EO1A 1073727		
	FTTH Extension cable with DiaLink and socket			FTTH socket - router extension set, consi- sting of AP Diamond/Feller socket EDIZIOdue with hybrid DiaLink mating piece – F-3000™ APC, extension cable including DiaLink with feed-in cap manu- factured for easy feed-in in existing instal- lation tubes or wall openings. Connector side 1. Socket: F-3000™ APC green Connector side 2. Socket: DiaLink Single mode cable, pressure load max. 480 kg, white LSFH™ sheath* L = 10 metre L = 15 metre L = 20 metre L = 25 metre L = 30 metre L = 60 metre	966720039 966720139 966720239 966720339 966720439 966720539	EQED 1069690
						EQED 1069691
EQED 1069692						
EQED 1069693						
EQED 1069694						
EQED 1069695						



* F-3000™ connectors are fully compatible to LC adapter and connector according to the IEC 61754-28.