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

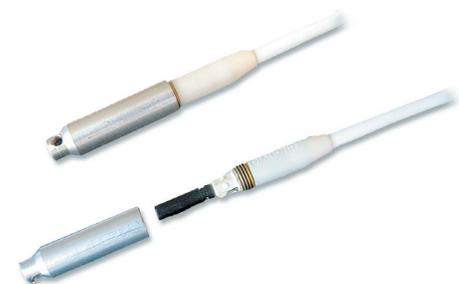|	MULTIMODE 0° PC	SINGLE MODE 8° APC	UNIT	TEST CONDITIONS
Insertion loss (IL)*	typ. 0.15 max. 0.4	typ. 0.2 max 0.5	dB	IEC 61300-3-4; λ = 1300/1550 nm
Return loss (RL)*	Min. 70	min. 75*	dB	IEC 61300-3-6; λ = 1550nm
Repeatability	max± 0.1		dB	IEC 61300-2-2; λ = 1300/1550 nm
Service life	500 connection 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 on feed-in rod

OTO socket with DiaLink Adapter

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 101948151 101948201 101948251 101948301 101948601	 EQED 1069642 EQED 1069643 EQED 1069644 EQED 1069645 EQED 1069646 EQED 1069647
	Connector on router side: SC APC green L = 10 metre L = 15 metre L = 20 metre L = 25 metre L = 30 metre L = 60 metre	 101946101 101946151 101946201 101946251 101946301 101946601	 EQED 1085767 EQED 1085769 EQED 1085770 EQED 1085771 EQED 1085772 EQED 1085773
	Connector on router side: F-3000®s* PC blue L = 10 metre L = 15 metre L = 20 metre L = 25 metre L = 30 metre L = 60 metre	 101949101 101949151 101949201 101949251 101949301 101949601	 ENB 1073716 ENB 1073717 ENB 1073718 ENB 1073719 ENB 1073720 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®* 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: SC APC green L = 10 metre L = 15 metre L = 20 metre L = 25 metre L = 30 metre L = 60 metre	 101986101 101986151 101986201 101986251 101986301 101986601	 EQED 1085774 EQED 1085775 EQED 1085776 EQED 1085777 EQED 1085778 EQED 1085779
	Connector on router side: F-3000®s* PC blau L = 10 metre L = 15 metre L = 20 metre L = 25 metre L = 30 metre L = 60 metre	 101989101 101989151 101989201 101989251 101989301 101989601	 EO1A 1073722 EO1A 1073723 EO1A 1073724 EO1A 1073725 EO1A 1073726 EO1A 1073727
FTTH Extension cable with DiaLink and socket	FTTH socket - router extension set, consisting of AP Diamond/Feller socket EDIZIOdue with hybrid DiaLink mating piece – F-3000®* APC, extension cable including DiaLink with feed-in cap manufactured for easy feed-in in existing installation 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.