



Sources

Optical fiber

Precimation AG
Erlenstr. 35 a
2555 Brügg BE
+41 32 / 366 69 99

Harting AG
Industriestr. 26
8604 Volketswil ZH
+41 44 / 908 20 60

Lütze AG
Oststr. 2
8854 Siebnen SZ
+41 55 / 450 23 23

Toslink connector

Spoerle
Riedmatt 9
CH-8153 Rümlang
Tel: +41 44 817 62 62

Polishing set

INDEL AG
Tüfiwis 26
Postfach
CH-8332 Russikon

TOSLINK components

Connector: Type: TOCP155K
Fiber: Type: TOFC200 APF duplex cable, 980/1000um
or similar type, maximum attenuation: 240dB / km

Polishing set

INFO polishing set consisting of:

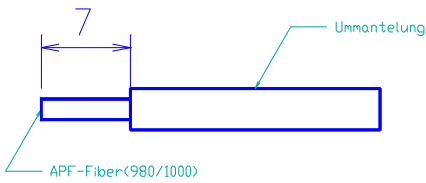
- Stripping pliers
- Polishing template
- Polishing paper

Order.No. 609418000

Note

The assembly of fiber-optic lines for the INFO-Link (INFO = INDEL Fiber Optics) requires TOSLINK products (connectors and fibers) and tools (stripping pliers, polishing set). TOSLINK products and stripping pliers are articles available from various distributors. The sources are listed opposite (for Switzerland only). The distributors also have representatives in Germany.

The INFO polishing set is required for the assembly of fiber-optic lines. The assembled fiber is polished with the aid of the polishing template so that it is flush and plane. This will ensure a neat and proper connection.



Fiber-connector assembly

- Strip insulation off fiber end (as shown opposite).
- Slip stripped fiber into connector (TOCP155K).
- Clamp fiber with clamp.
- Insert assembled fiber in polishing template.
- Using the polishing template, polish the fiber so that it becomes plane and flush with the connector tip.
- Use factor 1000 polishing paper.

Fiber bending radius

To ensure reliable transmission of light, observe a minimum bending radius of **25mm** (specified by manufacturer).

Note

The preciser the polished surface, the better the transmission of light and therefore the better the connection! Therefore, check the polishing template at regular intervals for proper performance:

- Insert a **new** connector without fiber in the polishing template.
- Is the tip of the connector **exactly** flush with the polished surface? (If not, mechanical reworking may be necessary, or a new polishing template must be used!)

The fiber should be polished as evenly as possible up to the connector tip without the connector itself being touched!

Lapped ends

In order to achieve the maximum segment length of 50m, the fiber ends must be lapped. For this purpose, first polish the connectors and then lap them.

Lapping cloth:

Company: 3M
 Type: 3MILF microfinishing sheets
 262X IMP lapping film A/O