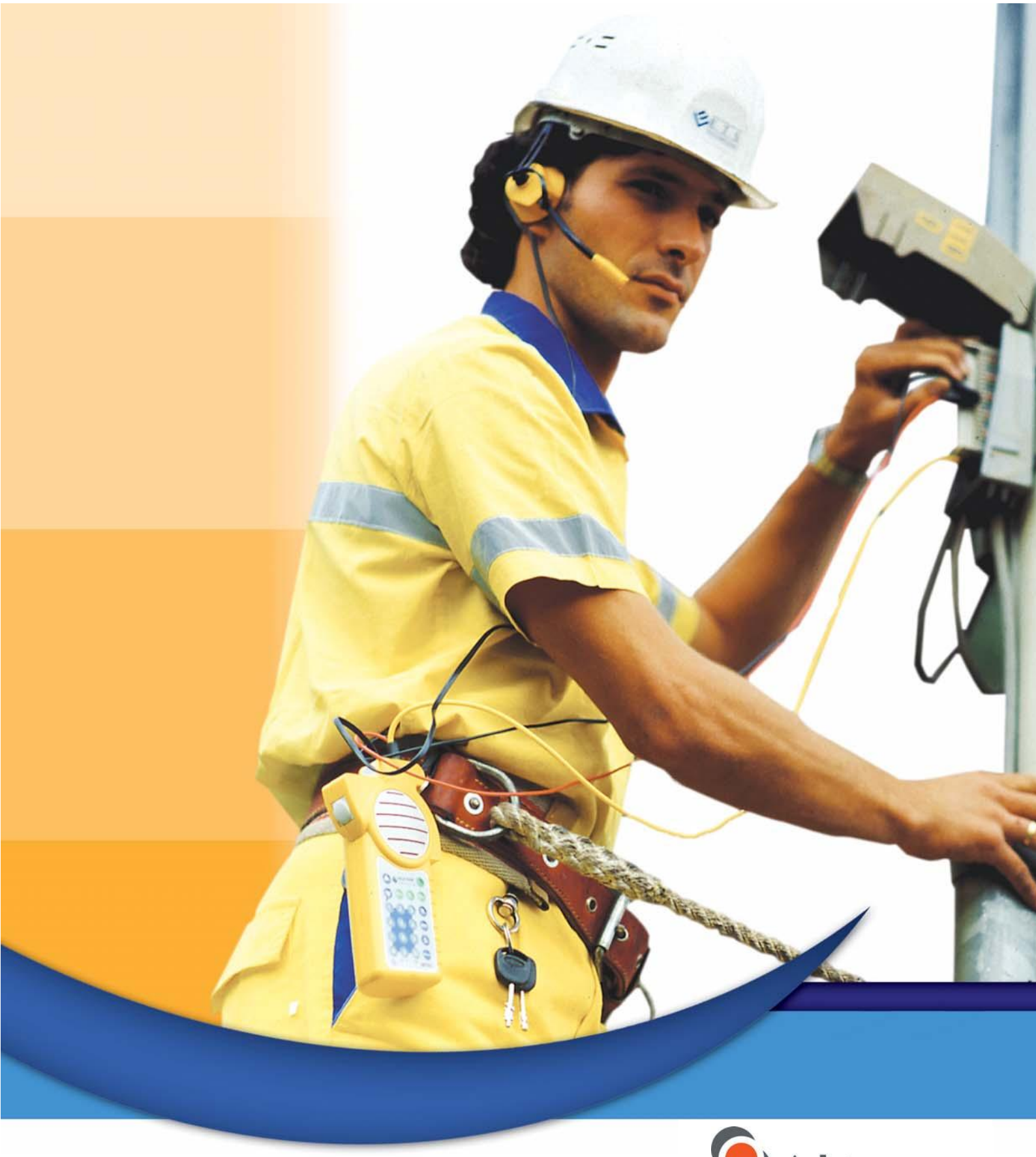
Silicomp by Altesys- TEC APPROVED

professional test equipment for
field technicians servicing plant in telephony,
electrical plant, LAN and utility networks

SILICOMP
Professional tools



www.altesys.com

Altesys

SFTS 02 TEC APPROVED

Single Fiber Optical Telephone, full duplex Talk-Set with hands-free speakerphone functionality

SFTS 02 is a state-of-the-art optical telephone capable of full-duplex operation on a single optical fiber.

Recently developed, **SFTS 02** is the optical telephone which guarantees one of the highest link dynamic ranges in its category (greater than 50 dB). Thanks to its sophisticated technologies it guarantees an excellent acoustic quality.

SFTS 02 does not operate on a "matched pair" basis; this means that every **SFTS 02** unit is compatible with any other unit which may be connected to the same fiber link. Such a useful characteristic is not common in products of this level where dual wavelength solutions are frequently adopted.

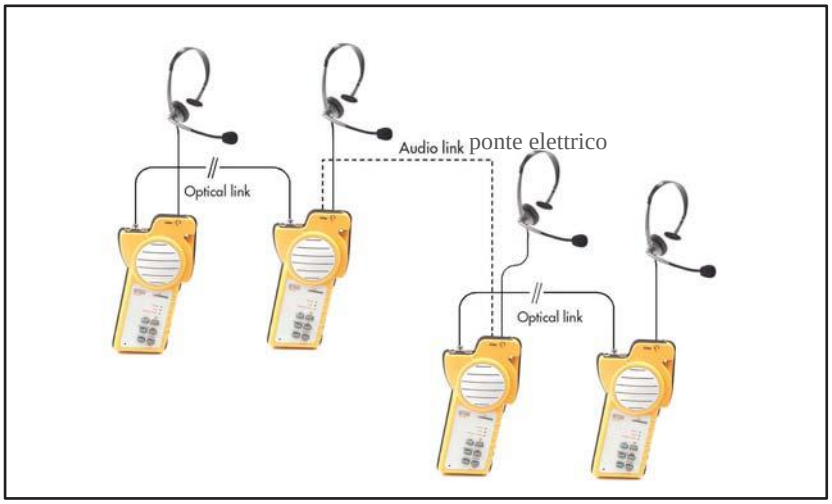
SFT S02 may be connected to a passive fiber clamp (Clip-On) such as model **PFC-1000**, thus catering for non-intrusive connection to in-service fibers.

- **Full duplex voice communication on single fiber in headset or speakerphone mode.**
- **High dynamic range: >50 dB.**
- **Available with various optical connectors: FC/PC, ST, SC.**
- **2 kHz tone generator and identifier for fiber identification.**
- **Stabilised laser source available for link loss measurements.**
- **Electrical bridge mode for multi-party, intra-fiber and fiber-to-metallic plant connections.**

TECHNICAL CHARACTERISTICS

Optical power output (laser version): -3 dBm
Optical power output (VCSEL version): - 20 dBm
Volume control: 20 dB
S/N ratio: 32 dB
Distortion: 5%
Frequency Range: 300 to 3400 Hz
Singlemode plant range performance:
1310 nm laser, optical link 50 dB - distance > 90 km
1550 nm laser, optical link 50 dB - distance > 200 km
Multimode plant range performance:
850 nm VCSEL, optical link 20 dB - distance > 5 km

CONNECTION MODE

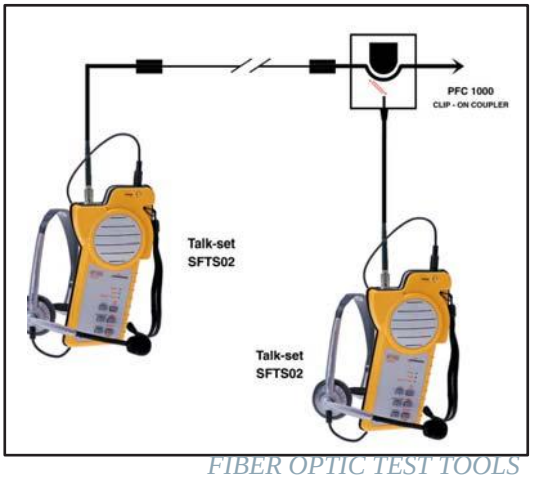


Clip-On passive fiber connector

Cleaving a fiber for in-field connectorisation can frequently be impractical when speed is essential and there is risk of contamination from dirt and condensation. In such cases the Clip-On passive fiber coupler **PFC 1000**, with its ability to simultaneously inject and extract light at any point, provides a quick and efficient solution. The Clip-On technique is thus extremely convenient for providing temporary fiber access to optical telephones (talk-sets), power meters and light sources.

- **Non intrusive optical coupling without fiber damage.**
- **Compatible with singlemode optical fibers with 250 micron coating.**
- **Assures bidirectional and full-duplex functionality.**
- **Ideal for temporary connections between fiber and optical equipment for test and communication.**

CONNECTION MODE



TECHNICAL CHARACTERISTICS

Typical coupling efficiencies:
17 dB @ 1550 nm, 22 dB @ 1310 nm

Typical insertion losses:
7 dB @ 1550 nm, 3 dB @ 1310 nm

Model name	Code
PFC 1000	**01060-0010-00**

Clip-On passive connector for optical fiber.

Bare fiber adaptor

During field construction and maintenance of optical plant it is frequently necessary to temporarily terminate a fiber with one of the standard optical connectors. This task is ideally performed by using a bare fiber adaptor from the **BFA 1000** series. It is sufficient to cleave and strip the fiber to its buffer, then the bared extremity is pushed into the adaptor receptacle and locked by means of a button controlled spring loading mechanism.

- **Temporary and re-useable connectors for termination of bare fibers.**
- **Compliant with the optical connection standards FC/PC, SC and ST.**
- **Compatible with singlemode and multimode fibers.**

Model name

BFA 1000-SC

Adaptor for bare fiber to SC style connector.

BFA 1000-ST

Adaptor for bare fiber to ST style connector.

BFA 1000-FC/PC

Adaptor for bare fiber to FC/PC style connector.