

# Multi-Fiber Visible Light Source MFL12

- ▶ Identify 12 optical fibers simultaneously and reliably
- ▶ Enables cost saving one-man working
- ▶ Powerful red laser outputs allow up to 16km working distance
- ▶ Remote control with mobile phone as well as local operation



## If you really want to make working with fibers easy, check MFL12

MFL12 is Vesala's new multi-fiber visible light source which sets a new standard how fiber working should be done. With MFL12 one technician can identify 12 fibers at the same time; no need to have a partner or to drive from one location to another again and again.

MFL12 has 12 powerful red laser sources which can be remote controlled with a mobile phone: User can turn lasers on and off as needed, adjust optical power, use coded light and turn the device off when work is over.

### Remote control commands

- Single output ON
- Next output ON / Previous output ON
- All outputs ON / All outputs OFF
- Light coding: Continuous light / slow number-coded pulses
- Laser power: Normal power / full power
- Device shut down

### Ergonomic and safe

To minimize risk of laser exposure to the user, MFL12 laser outputs are secured with an activation key and the laser apertures are located at the side of the main unit.

The carrying case is designed so that user does not need to remove MFL12 device from the case when it is taken into use.

MFL12 is especially useful at fiber splicing work: Connect MFL12 to the fibers at one end, go the other location and reliably identify each fiber one by one and do the splicing. No need to worry about mixed fiber colouring systems.

MFL12 has two output powers, 15mW for up to 16km range and 5mW for short distances. Simple pulse coding and automatic shut-off timer enable using MFL12 even without remote control. Large batteries give plenty of working time, or one can use mains adapter where mains is available.



**MFL12**  
carrying case

When the work is done, user doesn't have to disconnect patch cords from MFL12, instead they can be looped in their own slot in the case waiting for next use.

### Technical specifications

#### Optical output type

12 pcs. FC connectors with dust caps

#### Optical specifications

Optical power typically 15mW or 5mW.  
Wavelength 650nm  $\pm$  10nm

#### Laser class

Class 3B lasers. EN 60825-1:2007,  
650nm, <50mW

#### Remote control

Integrated GSM unit (can be disabled if necessary). User changeable mini SIM (2FF) card.

#### Mains adapter input

5.5/2.1mm DC jack, 10...14V, 1A

#### Batteries and power consumption

6 pcs. IEC LR20 alkaline batteries or 12V mains adapter. Current 30...1600mA, average 160mA (up to 60 hours operation)

#### Enclosure and weight

ABS, size 248 x 134 x 122mm, approx.  
2.2kg with batteries

#### Basic setup

MFL12 main unit  
12 pcs. FC/SC patch cords, length 2m  
12V mains adapter  
Carrying case and user manual

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MFL12 - patent pending.

Contents subject to change without notice.

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