Optical Power：-75.53 dBm   Level

Stop
Level
Level
?
Help
Home

Run   VFL OFF

Shift
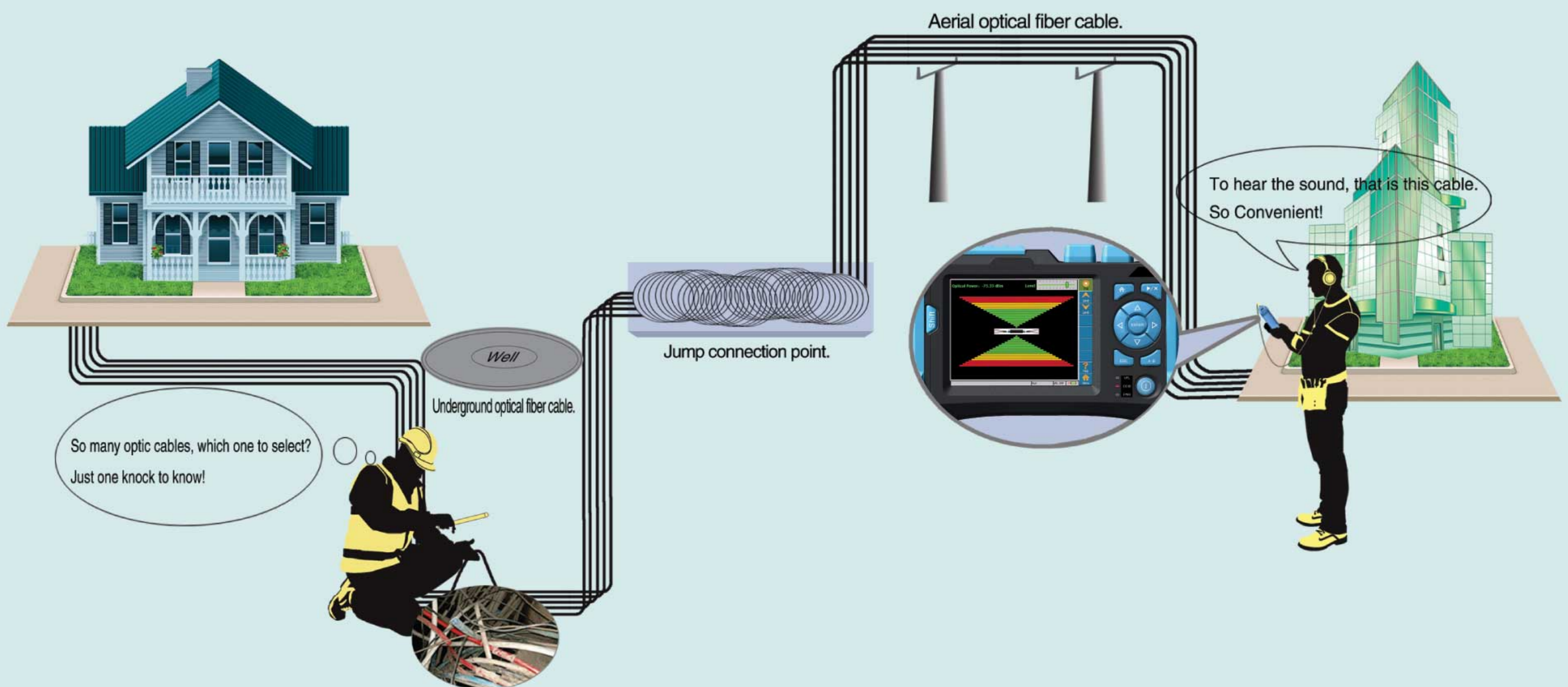
ENTER
ESC   A-B

VFL
OCID
PWR

Series Optical Cable Identifier

ISO
ISO9001
TÜV SÜD

- Touch Screen + Keypad, ease of use

- Large capacity of lithium battery and low power consumption, longer operating time

- Dynamic range of sensitivity to mechanical perturbation from tens of kilometer distance

- Locate target cable using audio and visual signal even under noisy environment

- Self-calibration for optimization, adapt to different length of fiber cables

- Non-invasive detection with high accuracy

Why we need OCID?

As demand for optical fiber increases day by day, the numbers of fibers in a single optical cable can be as many as 2096 individual fibers. As more fiber cables are buried underground, it becomes extremely difficult for the telecom engineers and technicians to manage the cables because cables may take different pathways, or be labeled incorrectly. As vast large number of optical cable being deployed by different service providers, new players such as utility, cable companies and telecom incumbents, it is crucial to correctly locate the target desired cables in outside plant. An Easy-to-Use Method of Cable Identification

Aerial optical fiber cable.

To hear the sound, that is this cable. So Convenient!

Well

Jump connection point.

Underground optical fiber cable.

So many optic cables, which one to select? Just one knock to know!

Optical Specifications

Model	S-55-10/N	S-55-20/N	S-55-40/N	S-55-60/N
Test method	Single fiber			
Wavelength	1550nm			
Min. source laser power	−15dBm		−8dBm	
Unidirectional fiber loss	5dB		10dB	
Maximum test distance	10Km	20Km	40Km	60Km
Initialization blind spot	None			
Requirement to fiber end return loss	≤ 20dB			
SNR	>40dB			
Fiber type	Single Mode			
Optic connector	FC/APC			
VFL visual fault locating	Wavelength: 650nm, output power: ≥ −3 dBm, max. testing distance: 3km			

Electric/Physical/Environment Specifications

Model	S-55-10/N	S-55-20/N	S-55-40/N	S-55-60/N
Display	5.6" LCD touch screen			
Input mode	LCD touch screen + key pad			
Output mode Visual:	vibration amplitude (touch Screen LCD)			
Output mode Audio:	Sound (corresponding perturbation intensity)			
Power supply	DC12V/3A			
Lithium battery	7.4V, 10.4Ah, continuous work ≥ 10Hr			
Power consumption	< 6W			
Dimension(HxWxD)	150x235x66mm			
Weight	1.5Kg （include batteries）			
Working temperature	−10℃~+50℃			
Storage temperature	−30℃~+70℃			

Identify Your Fiber in Minutes!

1. Optical port/VFL
2. Optical port/OCID
3. Battery charging indicator
4. SD card slot
5. DC power adapter
6. Audio port
7. USB port
8. Ethernet port

Optical Cable Identifier, OCID was a specially developed instrument for telecommunications engineers and technicians to identify a desired target fiber optical cable, which is a user friendly, easy to operate and non−invasive to the optical fiber cables. It can be used in various environments, such as manholes, tunnels conduits and aerial.

Based on the properties of photo elastic effect, the OCID converts the coherent laser energy into visual or audio signal, so user can easily locate the target desired fiber in manholes, tunnels conduits, and aerial, etc. With the OCID , the user can easily recognize the target optical cable from the rest by gently tapping them.

The OCID replaces traditional optical fiber identification methods that require cutting, bending, or freezing of the fiber. It is a new non−invasive detection method, which can greatly reduce installation, deployment and troubleshooting time and cost reduce the operation, improve the overall operational efficiency.

CE FC