ABALONE TECHNOLOGY GROUP
FIBER OPTIC CABLES - COMPONENTS & ACCESSORIES

Optical Fiber Fusion Splicer
ABL-100S

DESCRIPTION

The high-precision fusion splicer, with high-speed image processing technology and special precision positioning technology, can complete the whole process of fiber fusion splicing automatically in 9 seconds. This machine is mainly used for the connection of optical fibers, which can be further connected with ordinary optical fiber cables, jumpers and multiple single-mode, multi-mode and dispersion-shifted quartz optical fibers with a cladding diameter of 50µm -150µm.

FEATURES

• Fast splicing speed and low losses
• 3.5 inches TFT color LCD display
• Fast welding, four motors alignment
• The charging time is ≥3 hours, and the full charge can be welded for 200 times
• Rubber coating protects the fuselage in all aspects to prevent damage
• 4800mAh high capacity battery, pluggable battery

APPLICATIONS

→ FTTX   → Data center   → LAN/WAN network   → Industries   → Telecom network   → Ethernet network

SPECIFICATIONS

Applicable optical fiber	SM(G.652&G.657)、MM(G.651)、DS(G.653)、NZDS(G.655) and self-defined optical fiber typesand self-defined optical fiber types
Splicing loss	0. 02dB (SM) 、 0. 01dB (MM) 0. 04dB (DS/NZDS)
Return loss	Over60dB
Typical splicing duration	9 seconds
Typical heating duration	26 seconds (configurable heating time and adjustable heating temperature)
Optical fiber alignment	Precise alignment, fiber core alignment, cladding alignment
Optical fiber diameter	Cladding diameter 80~150µm, coating layer diameter 100~1000µm
Cutting length	Coating layer below 250µm：8~16mm；coating layer 250~1000µm：16mm
Tension test	Standard 2N（optional）
Optical fiber clamp	Multi-function clamp for bare fiber, tail fiber, jumpers, leather line; changing clamp applicable for SC and other connectors for a variety of FTTx optical fiber and cable.
Amplification factor	400 times（X axis or Y axis）
Heat shrink bush	60mm、40mm and a series of miniature bush
Display	3.5 inches TFT color LCD displayReversible, convenient for bi-directional operation
External interface	USB interface, convenient for data download and software upgrade
Splicing mode	17 groups of operation modes
Heating mode	9 groups of operation modes
Splicing loss storage	5000 latest splicing results are stored in the built-in storage.
Built-in battery	Supports continuous splicing and heating for not less than 200 times
Power supply	The built-in lithium battery 11.8V supplies the power, charging time≤3.5h; External adapter, input AC100-240V50/60HZ, output DC13.5V/4.81A
Power saving	15% of the power of the lithium battery can be savedin a typical environment.
Working environment	Temperature: -10~+50℃, Humidity：<95%RH（no condensation）, Working altitude: 0~5000m, Max. wind speed: 15m/s
Outer dimension	214mm（long）×136mm（wide）×109 .5 mm（high）
Lighting	Convenient for optical fiber installation in the evening
Weight	1.21Kg（excl. battery）1.5Kg（incl. battery）

ORDERING INFORMATION

Description	Reference
Customized splicer, ABL-100S, European standard power cord	R01000000033
Customized splicer, ABL-100S, British standard power cord	R01000000034

Non contractual pictures