Fusion Splicer Sumitomo

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Variants

Z2C Z1C 81C

Details

Fusion Splicer Specifications

The TYPE-81C fusion splicer is designed for precise fiber splicing with low splice loss, fast operation, and reliable field performance. It supports multiple fiber types and is suitable for telecom, FTTH, and backbone network applications.

Optical Fiber

Item	Specification
Material	Silica glass
Fiber Type	SM (G.652), MM (G.651), DSF (G.653), NZDSF (G.655), BIF (G.657), EDF
Fiber Diameter	Cladding: 80–150 ?m, Coating: 100–1000 ?m
Cleave Length	5–16 mm

Performance

Item	Specification
Splice Loss	SM: 0.01 dB, MM: 0.01 dB, DSF/NZDSF: 0.03 dB
Return Loss	? 60 dB

Splice Time	6 sec (Quick), 7 sec (Std), 8 sec (Auto)
Heating Time	14 sec (60mm sleeve)
Battery Cycles	Approx. 230 splice & heat cycles
Magnification	700× zoom (single), 88× dual axis

Programs

Item	Specification
Splice Programs	Max. 300 (74 preset, 226 user)
Heating Programs	Max. 100 (24 preset, 76 user)

Functions

Item	Specification
Data Storage	10,000 splice data (internal), up to 50,200 (SD card)
Attenuation Splicing	0.1–15 dB (0.1 dB step)
Automatic Calibration	Environmental auto compensation
Fiber Identification	SM / MM / DSF / NZDSF / BIF
Remaining Cycles Display	Available (Battery mode)

Size & Weight

Item	Specification
Dimensions	120 × 154 × 130 mm
Weight	1.8 kg (without battery), up to 2.1 kg with battery

Power

Item	Specification
AC Input	AC 100–240V
DC Input	DC 10–15V
Battery	Li-ion 11.1V (2300mAh / 4600mAh)

Environment

Item	Specification
Operating	-10°C to +50°C, 0–95% RH
Storage	-40°C to +80°C

Additional Information

Item	Specification
Electrode Life	6000 arcs

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