

Optical Fiber Cable Abrasion Tester



Introduction:**Object**

The abrasion resistance of optical fiber cables has two aspects:

- a) The ability of the sheath to resist abrasion;
- b) The ability of cable markings to resist abrasion.

The purpose of this test is to determine the ability of an optical fiber cable sheath to resist abrasion.

Abrasion testing of cable markings is method E2B.

Apparatus

The abrasion test rig consists of a device designed to abrade the surface of the cable in both directions parallel to the longitudinal axis of the cable over a length of $10\text{ mm} \pm 1\text{ mm}$ at a frequency of $55\text{ cycles/min} \pm 5\text{ cycles/min}$. One cycle consists of one abrading edge movement in each direction.

The abrading edge shall be a steel needle with a diameter as specified in the detail specification.

Main Specifications

1. Attrition stroke: 100mm;
2. Setting range of testing times: 1~9999;
3. Frequency: 55 ± 5 times/min; 4. Poise: 10~100N
5. Power supply requirement: 3-phase 4-wire, 50Hz, 0.37KW;
6. Ambient temperature: $10^{\circ}\text{C} \sim 40^{\circ}\text{C}$.
7. Ambient humidity: less than 80% (Non-dewfall).

FOCUS IN MATERIAL TEST

KASONTTEST®

JINAN KASON TESTING
EQUIPMENT Co, LTD.

DuandianIndustrial Park , Jingshi Road, Jinan City,China.

P: +86 159 1008 1986

E: admin@jnkason.com | **W:** www.syjlab.com

