CT16 Fiber Cleaver

The CT16 fiber cleaver from Fujikura was designed for FTTH or other space constrained applications where ergonomics and durability are key. It is compact, can be operated ambidextrously, and features a unique fiber adapter, allowing users to cleave two bare fibers simultaneously when paired with the dual fiber stripper, the SS-05. The scrap collector and fiber adapter side can be swapped by the user for left or right-handed preference, or as environmental constraints dictate. Furthermore, the thumbwheel on the bottom of the cleaver is utilized for blade rotations as opposed to previous tedious processes to rotate a cleaver blade. The top lever opens past vertical allowing for easy viewing, cleaning, and adjustment of the cleave length. The blade is retracted when the top lever is opened and the blade activates to score the fiber when it is closed, making this a true one-step cleaver. Like its predecessor, this cleaver can withstand a 30" drop from any of six different orientations and still maintain factory specified cleave angle performance. The cleaver blade and fiber clamping mechanisms are easy to replace in the field, mitigating the need to send this cleaver in for service.

Features

- Dual fiber adapter plate for single or two fiber cleaving
- Ambidextrous operation available
- Field replaceable fiber clamp pads and cleaver blade
- Shock resistant for drops up to 30" in any of six different orientations
- Compact form factor and tool-less blade rotations

Applications

- Small cell site
- FTTx drops and terminations
- MDF/IDF splices and terminations
- Rural fiber deployments and restorations

Ordering Information

Description	AFL No.
CT16 Fiber Cleaver includes: FDB-06 scrap collector, AD-16B fiber adapter, HEX-01 hex wrench (1.5 mm), M-CT16-E instruction manual, CC-46 carrying case	S018330
FDB-06 Scrap Collector	S018329
CB-09 Replacement Cleaver Blade	S018335
ARM-CT16-01 Replacement Fiber Clamp Pads	S018373
AD-16A Fiber Adapter (up to 900 µm coating)	S018328
AD-16B Fiber Adapter (up to 3.0 mm jacket)	S018331
CC-46 Carrying Case	S018374

continued

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Specifications

Parameter		Value
Applicable Fiber	Fiber type	Single-mode optical fiber
		Multimode optical fiber
	Fiber count	2 single fibers
	Cladding diameter	Approx. 125 µm
Applicable Coating	Adapter plate	AD-16A: Max 900 µm coating diameter single fiber or 250 µm coating diameter for two fibers
		AD-16B: Max. 3 mm jacket diameter
	Fiber holders	FH-60 and FH-70 series – coating diameter dictated by specific fiber holder
Cleave Length	Adapter plate	AD-16A: 5 – 20 mm*1
		AD-16B: Coating diameter – 250 µm or less: 5-20 mm*1 251 µm-900 µm: 10-20 mm 901 µm-3 mm: 14-20 mm
	Fiber holder	Approx. 10 mm
Cleave Angle*2	Single fiber	Avg. 0.3 to 0.9 degrees
Blade Life*3		Approx. 48,000 fiber cleaves
Physical description	Dimensions W	Approx.106 mm without projection*4
	Dimensions D	Approx.95.5 mm without projection*4
	Dimensions H	Approx.49 mm without projection*4
	Weight	Approx. 190 g including AD-16A
Environmental condition	Temperature	Operate: -10 to 50°C
		Storage: -40 to 80°C
	Humidity	Operate: 0 to 95%RH non-condensing
		Storage: 0 to 95%RH non-condensing
Other features	Blade rotation	Manual dial underneath cleaver
	Replaceable items	Cleaver blade
		Fiber clamp pads
	Fiber adapter base and scrap collector	Can be swapped position for ambidextrous operation
	Cleave count	Up to two individual bare fibers

Notes

1. When the cleave length is less than 10 mm, the coating diameter should be 250 µm or less. Also, a blade height adjustment is required before cleaving. The average cleave angle is worse than the specification above when the cleave length is less than 10 mm.
2. Measured with an interferometer at room temperature, no with a splicer. A new blade was used to cleave the single fibers. The average cleave angle changes depending on the environmental conditions, blade condition, operating method, and cleanliness.
3. The blade life changes depending on the environmental conditions, operating method, and the fiber type cleaved.
4. Measured with the top lever closed.

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