



PowerCleave®

To complement the line of world class splicing systems, AFL's PowerCleave® combines the precision of an ultrasonic cleaver with the ease and improved fibre management of the Fujikura fibre holder system. The PowerCleave® utilises the tensile stress method to avoid touching or damaging the bare glass surface during cleaving, ensuring highly robust, reliable and durable splice results. The PowerCleave® provides consistent flat ends even at cleave lengths as short as 3 mm. Specially designed for use with Fujikura's specialty market splicers, this advanced cleaving system allows for more reliability and greater splicing consistency with less dependence on operator technique.

Features

- Tensile cleaving with ultrasonic blade
- Consistent, low-angle cleaves of short cleave-length fibres
- Fibre holder system reduces fibre handling
- Clean, reliable quality

Applications

- High precision fibre cleaving
80 µm - 200 µm cladding,
down to 3 mm minimum cleave length

Specifications

PARAMETER	VALUE
Fibres Cleaved	80 µm - 200 µm (cladding diameter)
Minimum Cleave Length	3 mm
Cleave Angle	<0.6 typical (95% of cleaves)
Blade	Diamond with an estimated life of over 20,000 cleaves
Clamping System	Compatible with Fujikura specialty market fibre holder systems
Case	ABS impact resistant with non-slip feet and a 6.25 mm (.24 inch) BSW thread tripod mount for hard mounting to a workstation
Battery	9V alkaline (MN 1604), battery life approximately 10,000 cleaves
Dimensions (L x W x D)	75 mm x 153 mm x 150 mm (3.0 x 6.0 x 5.9 inches)
Weight	1.1 kg (2.4 lbs)
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
CE Conformity	Fully complies with all EC equipment guidelines according to the CE declaration of conformity

Ordering Information

PART NUMBER	DESCRIPTION
S009972	PowerCleave Kit Includes: PowerCleave®, Instruction manual, 2.5 mm x 60 mm screwdriver, 2 mm Allen wrench