



Encircled Flux (EF) Mode Controller

Technology improvements continue to push the envelope on multimode fiber optic networks. Ever increasing bandwidth requires tighter specifications (lower loss connectors, splices, Etc.). Shrinking loss budgets in turn place higher demands on loss test sets for accurate and repeatable measurements.

Encircled Flux (EF) testing requirements attempt to improve loss test set performance by placing defined parameters on optical test signals emitted from multimode loss test sources. AFL Mode Controller Jumpers (MCJs) are simple to use while ensuring the output test signal conforms to EF specifications regardless of the multimode test source used.

Features

- EF Compliant to TIA-526-14-B and IEC 621180-4-1
- Improves multimode measurement repeatability
- Optimized at 850 nm
- Compatible with 50/125 and 62.6/125 μm multimode test sets

Applications

- Ensures test source launch is EF Compliant (remove uncertainty)
- USE AFL MCJs to certify networks per today's EF requirements with legacy loss test sets.

Simple-to-use

Plug MCJ input into an LED multimode test source and you have an EF compliant output meeting TIA-568-14-B and IEC 621180-4-1.

Specifications

MAXIMUM POWER	10 mW
Insertion Loss @ 850 nm	< 3 dB 50/62.5 μm
Connectors	Reference Grade
Input cable length	0.5 m (19.7 in)
Output cable length	1.0 m (39.4 in)
Weight	50 g (0.11 lb)

Ordering Information

FIBER SIZE	CONNECTORS	AFL NO.
50/125 μm	FC to FC	8700-06-0001MR
62.5/125 μm	FC to FC	8700-06-0002MR
50/125 μm	SC to SC	8700-06-0003MR
62.5/125 μm	SC to SC	8700-06-0004MR
50/125 μm	SC to LC	8700-06-0005MR
62.5/125 μm	SC to LC	8700-06-0006MR