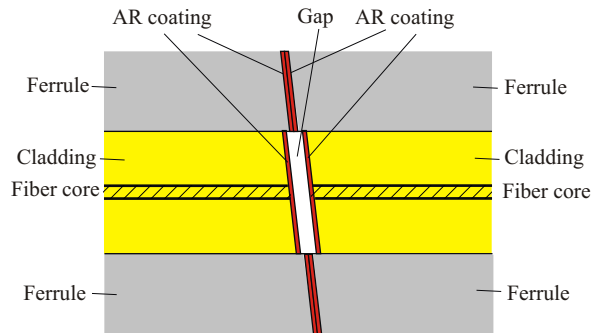


NON-CONTACT MPO FIBER CONNECTORS

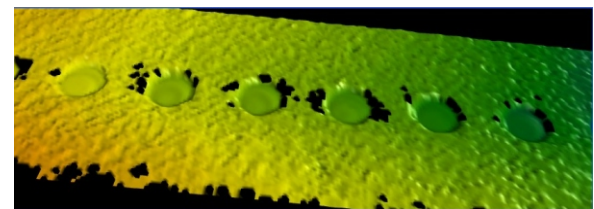


Non-Contact MPO fiber connector (NC-MPO) is the next generation multi-fiber optical connector invented by Arrayed Fiber Optics, where there is no contact between fiber surfaces. There are two key elements in the NC-MPO connector, first, the fiber surface is recessed, and second, the fiber surface has an anti-reflection coating. It offers vastly improved optical performance and longevity.



UNIQUE FEATURES

- Low insertion loss: 0.06dB typical;
- High return loss: >70dB (single mode);
- Interchangeability: guaranteed connection between connectors;
- Good insertion loss repeatability: <0.01dB;
- Not sensitive to dust;
- Long connector mating life: >2,000 matings (10 times traditional MPO);
- NC- MPO can mate traditional MPO;
- Cost of production is comparable to traditional MPO connectors.



PERFORMANCE SPECIFICATIONS

12 Fiber Single-Mode NC-MPO Statistical Result		
Insertion Loss	Mean value	0.06 dB
	Standard deviation	0.04 dB
	97% distribution	0.15 dB
	Repeatability	<0.01 dB
	Maximum value	0.19 dB
	Minimum value	0.01 dB
Return Loss	Mean value	80.1 dB
	Maximum value	83.6 dB
	Minimum value	73.4 dB

CONNECTOR DETAIL

- Connector Type: NC-MPO12, NC-MPO48
- Fiber type: SM, MM
- Polish angle: 0°, 8°
- AR coating wavelength band

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