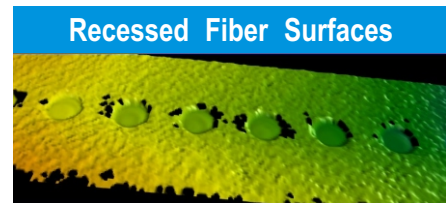
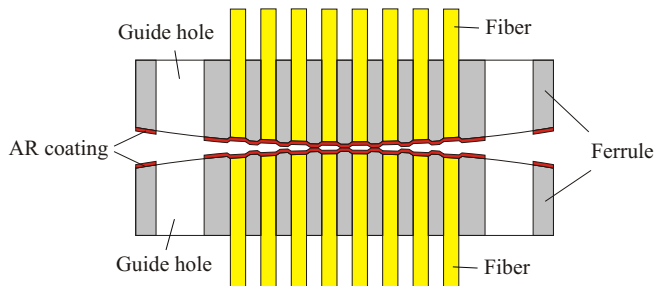


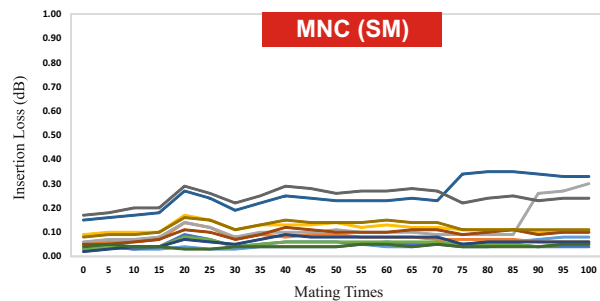
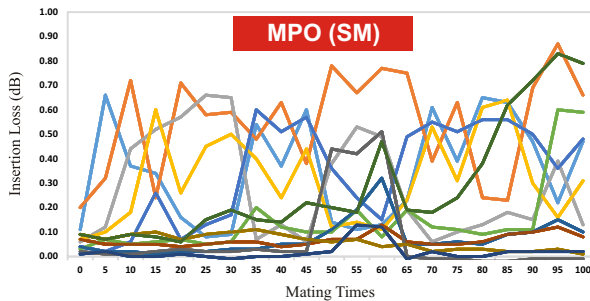
Non-Contact MPO (MNC) fiber connector is the next generation multi-fiber optical connector invented by Arrayed Fiberoptics, where there is no contact between fiber surfaces. There are two key elements in the MNC connector, first, the fiber surface is recessed, and second, the fiber surface has an anti-reflection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



## UNIQUE FEATURES

- Low insertion loss: Average 0.06dB;
- High return loss: 75dB (single mode);
- Exceptional insertion loss repeatability: <0.01dB;
- Inter-mating: Guaranteed connection between any connectors;
- Small spring force: 10N for 48ch MNC;
- Not sensitive to dust;
- Long connector mating life: >2,000 matings (10 times traditional MPO);
- MNC can mate regular MPO;
- Does not damage DUT;
- Cost of production slightly higher than regular MPO connectors.

## REPEATABILITY COMPARISON



## PERFORMANCE SPECIFICATIONS

12 Fiber Single-Mode MNC Statistical Result		
Insertion Loss	Mean value	0.06 dB
	Maximum value	0.35 dB
	Repeatability	< 0.01 dB
Return Loss	Mean value	80.1 dB
	Maximum value	83.6 dB
	Minimum value	65.0 dB

## CONNECTOR DETAIL

- Connector Type: MNC 12ch, 24ch, 48ch
- Fiber type: SM, MM
- Polish angle: 0°, 8°
- AR coating wavelength band