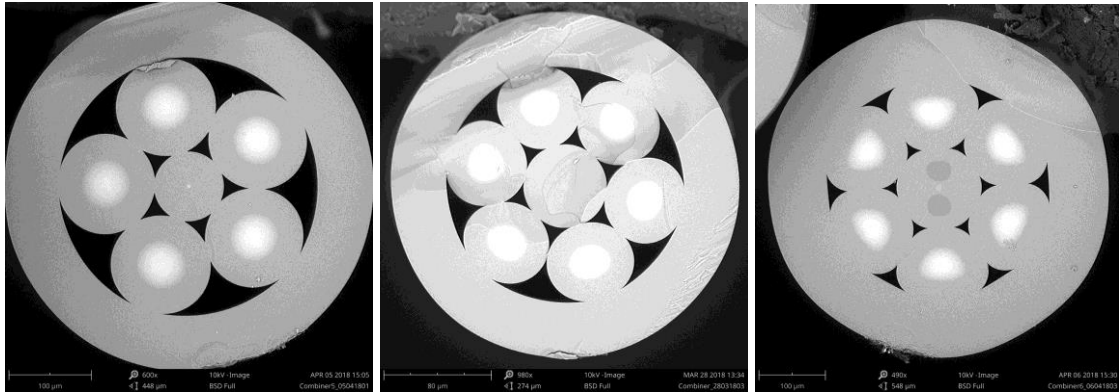


Photonics

Combiners



Multi-mode combiners are passive devices that allow coupling light from a few multimode laser sources into one fiber and are commonly used in high power optical lasers and amplifiers. Fibrain combiners are characterized by high pump efficiency (min. 90%) and low insertion loss (max. 0.5 dB).

Fibrain combiners are available in 1x5, 1x6, and 1x7 versions with multimode, single-mode, or polarization-maintaining output. They can be housed in a pipe casing or delivered with an open end for splicing Customer's own fibers.

APPLICATIONS

ADVANTAGES & FEATURES

- ✓ Fiber-optic lasers
- ✓ Sensors
- ✓ Spectroscopy

- ✓ Low excess loss
- ✓ High pumping efficiency
- ✓ Various port configurations and outputs

TECHNICAL SPECIFICATIONS:

Parameter	Value
Spectral operating range [nm]	850-1000 for MM, 1550 for SM
Max. excess loss [dB]	0.5
Min. pumping efficiency	90%
Temperature operating range [°C]	-20/+60

ORDERING INFORMATION:

Series	Quality	Version	Input fiber type	Input fiber length	Output fiber type	Output fiber length
COMB	S0	15 – 1x5	1 – OM1	0 - 0.5 m	1 – OM1	0 - 0.5 m
		16 – 1x6	2 – OM2	1 - 1 m	2 – OM2	1 - 1 m
		17 – 1x7	3 – OM3	2 - 2 m	3 – OM3	2 - 2 m
			4 – OM4	...	4 – OM4	...
					5 – G.652D	
					6 – G.657A	
					7 – G.657B	
					x - other	

Example: COMB-S0-15-2-1-5-1 – Fibrain combiner, 1x5 version with 1 m OM2 inputs and 1 m G.652D output.

Important notice

Buyer and/or user of this product has to make sure before using this product that it is suitable for the intended use. All questions of liability relating to this product are subject – in accordance with the prevailing – to the Term of Sale of the selling Fibrain subsidiary.

