

Accessories

Fibers

attocube's interferometer setups are all fiber-based systems allowing for convenient usage both in ambient conditions as well as extreme environments. Consequently, a wide variety of suitable fibers for FPS and IDS setups are available.



| Product Name | FPSMF/PC/RT | IDSMF/PC/RT | FPSMF/APC/RT | IDSMF/APC/RT |
|---------------------|--------------------|-------------------|-------------------|-------------------|
| art. no. | 1003543 | 1009980 | 1000940 | 1009981 |
| working environment | ambient conditions | | | |
| outer diameter | 900 µm | 3 mm | | |
| length | | | | 5 m |
| bending radius | | | | 4 cm |
| jacket | hytrel tubing | PVC | | |
| connectors | FC/PC-FC/APC | FC/PC-SC/APC | FC/APC-FC/APC | FC/APC-SC/APC |
| intended use | sensor head - FPS | sensor head - IDS | feedthrough - FPS | feedthrough - IDS |

| Product Name | FPSMF/IDSMF/HV/LT |
|---------------------|-----------------------------|
| art. no. | 1010849 |
| working environment | mK..423 K, cryogenic vacuum |
| outer diameter | 250 µm |
| length | 2 m |
| bending radius | 4 cm |
| jacket | acrylate |
| connectors | FC/PC-FC/APC |
| intended use | sensor head - feedthrough |
| compatible with.. | collimating sensor heads |

| Product Name | FPSMF/IDSMF/UHV | FPSMF/IDSMF/RAD |
|---------------------|---------------------------|---------------------------|
| art. no. | 1010850 | 1010858 |
| working environment | UHV: 1E-10 mbar | 10 Mgy, 1E-8 mbar |
| outer diameter | 155 µm | 155 µm |
| length | 2 m | 2 m |
| bending radius | 4 cm | 4 cm |
| jacket | pyrocoat | polyimide |
| connectors | FC/PC-FC/APC | FC/PC-FC/APC |
| intended use | sensor head - feedthrough | sensor head - feedthrough |
| compatible with.. | IDS and FPS | IDS and FPS |

Compatible environments

/RT (ambient conditions): 0 .. 100 °C, 1x10⁻⁴ mbar .. 10 bar
 /HV (high vacuum): 0 .. 150 °C, 1x10⁻⁸ mbar .. 10 bar
 /UHV (ultra high vacuum): 0 .. 150 °C, 1x10⁻¹⁰ mbar .. 10 bar

/LT (low temperature): mK .. 423 K (150 °C 1x10⁻⁴ mbar .. 10 bar
 /RAD (radiation hard): 0 .. 150 °C, up to 10 MGy radiation dose