

# Single Mode Fibers

for FPS or IDS setups

## Technical Specifications

### FPSMF/PC/RT - for Ambient Conditions

working environment	ambient conditions
outer diameter	900 µm
length	5 m
bending radius	4 cm
jacket	hytrel tubing
connectors	FC/PC-FC/APC
intended use	sensor head - FPS
compatible with..	collimating sensor heads

### FPSMF/APC/RT - for Ambient Conditions

working environment	ambient conditions
outer diameter	3 mm
length	5 m
bending radius	4 cm
jacket	PVC
connectors	FC/APC-FC/APC
intended use	feedthrough - FPS
compatible with..	collimating and focussing sensor heads

### IDSMF/PC/RT - for Ambient Conditions

working environment	ambient conditions
outer diameter	3 mm
length	5 m
bending radius	4 cm
jacket	PVC
connectors	FC/PC-SC/APC
intended use	sensor head - IDS
compatible with..	collimating sensor heads

### IDSMF/APC/RT - for Ambient Conditions

working environment	ambient conditions
outer diameter	3 mm
length	5 m
bending radius	4 cm
jacket	PVC
connectors	FC/APC-SC/APC
intended use	feedthrough - IDS
compatible with..	collimating and focussing sensor heads

### Article Numbers FPSMF

FPSMF/PC/RT	1003543
FPSMF/APC/RT	1000940
FPSMF/HV	1010849
FPSMF/UHV	1007350
FPSMF/LT	1010850
FPSMF/RAD	1010858

### FPSMF/LT & IDSMF/LT - for Cryogenic Conditions

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

### FPSMF/HV & IDSMF/HV - for High Vacuum Conditions

working environment	high vacuum: 1E-8 mbar
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

### FPSMF/UHV & IDSMF/UHV - for UHV Conditions

working environment	UHV: 1E-10 mbar
outer diameter	155 µm
length	2 m
bending radius	4 cm
jacket	pyrocoat
connectors	FC/PC-FC/APC
intended use	sensor head - feedthrough
compatible with	collimating sensor heads

### FPSMF/RAD & IDSMF/RAD - for Harsh Radition/High Vacuum Conditions

working environment	10 Mgy, 1E-8 mbar
outer diameter	155 µm
length	2 m
bending radius	4 cm
jacket	polyimide
connectors	FC/PC-FC/APC
intended use	sensor head - feedthrough
compatible with..	collimating sensor heads

### Article Numbers IDSMF

IDSMF/PC/RT	1009980
IDSMF/APC/RT	1009981
IDSMF/HV	1010658
IDSMF/UHV	1010659
IDSMF/LT	1010658
IDSMF/RAD	1010660

## Photos

### FPSMF - Single Mode Fibers



### IDSMF - Single Mode Fibers

