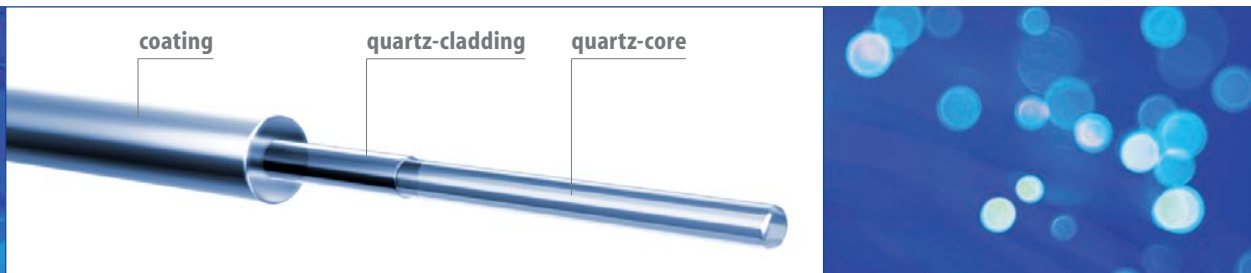


Polarisation maintaining fibers for high temperature



Coating: Polyimide for $-60\text{ }^{\circ}\text{C}$ to $+300\text{ }^{\circ}\text{C}$

Construction

| | |
|-------------|-------------------------------------|
| Core | Quartz |
| Cladding | Quartz |
| Coating | Polyimide, no buffer |
| Temperature | up to $300\text{ }^{\circ}\text{C}$ |

Numerical aperture

0.16

Properties

| Order no. | Wave-length range [nm] | Cut-off wave-length [nm] | Modefield diameter [μm] | Beat length range [mm] | Fiber type | NA ± 0.02 | Clad-ding ($\pm 2\%$) [μm] | Coating ($\pm 5\%$) [μm] | Bending radius short term [mm] | Bending radius long term [mm] | Max. attenuation [dB/km] | Proof test level [N/mm ²] | Product description |
|-----------|------------------------|--------------------------|--------------------------------------|------------------------|------------|---------------|---|---|--------------------------------|-------------------------------|--------------------------|---------------------------------------|---------------------|
| 84821101E | 800 – 880 | 700 ± 101 | 4.2 ± 1 at 830 nm | 2.7 | Bow tie | 0.16 | 125 | 145 | 25 | 50 | 5 at 830 nm | 350 | F-8Y 8Y PM800/125 |
| 84821102E | 1270 – 1390 | 1150 ± 120 | 6.6 ± 1 at 1300 nm | 4.1 | Bow tie | 0.16 | 125 | 145 | 12 | 25 | 2 at 1300 nm | 350 | F-8Y 8Y PM1270/125 |