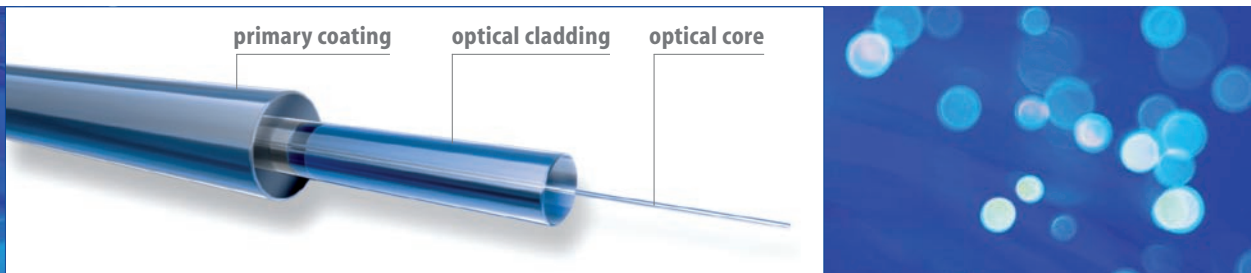


## Monomode fiber E9/125 (matched cladding type)



**Monomode fiber E9/125** acc. to ITU-T Rec. G.652 and IEC 60 793-2-50

### Geometry/mechanical properties

Mode field diameter (at 1310 nm) ( $\mu\text{m}$ )	$9.2 \pm 0.4$	Core/Clad concentricity error ( $\mu\text{m}$ )	$< 0.8$
Cladding diameter ( $\mu\text{m}$ )	$125 \pm 1$	Eccentricity of coating ( $\mu\text{m}$ )	$< 10$
Coating diameter ( $\mu\text{m}$ )	$245 \pm 5$	Screen-Test	$\geq 100$ kpsi
Cladding non-circularity (%)	$< 1$		

### Transmission properties

	Fiber type A		Fiber type B	
	for semi-tight and tight buffered fibers		for multi-fiber loose tubes	
Wavelength (nm)	1310	1550	1310	1550
Attenuation max. (dB/km)	0.38	0.28	0.36	0.22
Dispersion coefficient max. (ps/nm · km)	3.5	18	3.5	18
Zero dispersion wavelength (nm)	1300 – 1322		1300 – 1322	
Dispersion slope (ps/nm <sup>2</sup> · km)	$\leq 0.092$		$\leq 0.092$	
Cutoff wavelength (cabled) (nm)	$\leq 1250$		$\leq 1250$	
Polarisation mode dispersion (ps/ $\sqrt{\text{km}}$ )	$\leq 0.1$		$\leq 0.1$	
Effective group of refraction	1.4695	1.4701	1.4695	1.4701

further fiber types e.g. ITU-T G.652.D or ITU-T G.655 on request