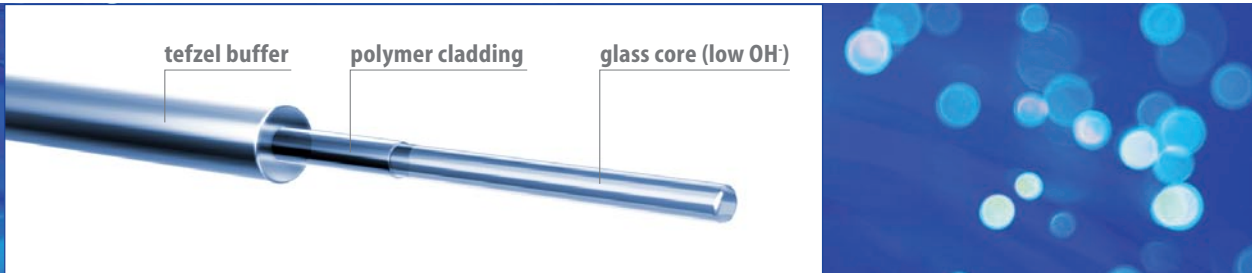


PCF with tefzel buffer for VIS-NIR (low OH⁻)



Construction

Core	Quartz glass (low OH ⁻)
Cladding	Polymer
Buffer	Tefzel
Temperature range	-65 °C to +125 °C, <i>higher on request</i>
Proof test level	70 kpsi = 500 MPa, <i>higher on request</i>

Numerical aperture

0.37 ± 0.02 (standard)
0.33 ± 0.02
0.43 ± 0.02
0.48 ± 0.02

Properties

Core [μm] (± 2 %)	125	200	300	400	600	800	1000	1500
Cladding [μm] (± 2 %)	140	230	330	430	630	830	1035	1535
Buffer [μm] (± 5 %)	250	500	650	730	1040	1040	1400	2000
Bend. radius short term [mm]	9	10	15	29	58	73	73	182
Bend. radius long term [mm]	15	16	24	47	94	118	118	295
Attenuation at 850 nm	12	6	8	8	8	8	8	15
Bandwidth [MHz · km] at 850 nm	20	20	15	13	9	7	5	
Proof test level [N/mm ²]	600	1000	1000	600	500	500	600	500
Fiber description	F-7Y 1K125/140 12B	F-7Y 1K200/230 6B	F-7Y 1K300/330 8B	F-7Y 1K400/430 8B	F-7Y 1K600/630 8B	F-7Y 1K800/830 8B	F-7Y 1K1000/1035 8B	F-7Y 1 K1500/1535 15B
Order no. for NA=0.37	84850001T	84850002T	84850003V	84850004V	84850005V	84850006V	84850007V	84850008T

Additional information of about 2 dB/km at 850 nm due to the production of a cable

Typical attenuation spectra for NA = 0.37

