

## SINGLEMODE FIBRES PROPERTIES

	<b>SMR ITU-T G652D</b> IEC 60793-2-50 Type B.1.3 Telcordia GR-20- CORE	<b>SMR ITU-T G657A</b> IEC 60793-2-50 Type B.1.3 and B.6.A Telcordia GR-20- CORE	<b>SMR ITU-T G657B</b> IEC 60793-2-50 Type B.1.3 and B.6.A & B	<b>SMR NZD ITU-T G655.E ITU-T G656</b> IEC 60793-2-50 Type B4/B5
Mode field Diameter @ 1310 nm	9,0±0,4 μm	9,0 ± 0,4 μm	8,9 ± 0,4 μm	
Mode field Diameter @ 1550 nm	10,1±0,5 μm	10,1 ± 0,5 μm	9,9 ± 0,5 μm	9,2 ± 0,5 μm
Cladding diameter	125±0,7 μm	125± 0,7 μm	125± 0,7 μm	125± 1,0 μm
Coating diameter	242±7 μm	242±7 μm	242±7 μm	242±7 μm
Cladding non-circularity	≤ 0,7 %	≤ 0,7 %	≤ 0,7 %	≤ 1,0 %
Core/Cladding concentricity error	≤ 0,5 μm	≤ 0,5 μm	≤ 0,5 μm	≤ 0,6 μm
Coating/cladding concentricity error	≤ 12 μm	≤ 12 μm	≤ 12 μm	≤ 12 μm
Cable Cut off wavelength	≤ 1260 nm	≤ 1260 nm	≤ 1260 nm	≤ 1300 nm
Zero dispersion wavelength (λ <sub>0</sub> )	1300÷1322 μm	1300÷1322 μm	1300÷1324 μm	≤ 1440 nm
Dispersion slope (S <sub>0</sub> ) @ (λ <sub>0</sub> )	≤ 0,090 ps/(nm <sup>2</sup> * km)	≤ 0,090 ps/(nm <sup>2</sup> * km)	≤ 0,092 ps/(nm <sup>2</sup> * km)	
Chromatic dispersion @ 1285 – 1330 nm	≤ 3,5 ps/(nm * km)	≤ 3,5 ps/(nm * km)		
Chromatic dispersion @ 1550 nm	≤ 18 ps / (nm * km)	≤ 18 ps/(nm * km)		
Chromatic dispersion @ 1625 nm	≤ 22 ps/(nm * km)	≤ 22 ps/(nm * km)		
Chromatic dispersion @ 1530 – 1565 nm				5,5 ÷ 10 ps/(nm * km)
Chromatic dispersion @ 1565 – 1625 nm				7,5 ÷ 13,8 ps/(nm * km)
PMD @ 1550 nm	≤ 0,1 ps/√km	≤ 0,1 ps/√km	≤ 0,1 ps/√km	≤ 0,2 ps/√km
Attenuation @ 1310 nm	≤ 0,35 dB/km	≤ 0,35 dB/km	≤ 0,35 dB/km	≤ 0,40 dB/km
Attenuation @ 1383nm	≤ 0,35 dB/km	≤ 0,35 dB/km	≤ 0,35 dB/km	≤ 1,00 dB/km
Attenuation @ 1550 nm	≤ 0,25 dB/km	≤ 0,25 dB/km	≤ 0,25 dB/km	≤ 0,25 dB/km
Attenuation @ 1625 nm	≤ 0,28 dB/km	≤ 0,28 dB/km	≤ 0,28 dB/km	≤ 0,28dB/km
Attenuation with bending				
Mandreal Radius 15mm @1550 10 turns		≤ 0,25 dB	≤ 0,03 dB	
Mandreal Radius 15mm @1625 10 turns		≤ 1,0 dB	≤ 0,1 dB	
Mandreal Radius 10mm @1550 1 turns		≤ 0,75 dB	≤ 0,1 dB	
Mandreal Radius 10mm @1625 1 turns		≤ 1,5 dB	≤ 0,2 dB	
Mandreal Radius 7,5mm @1550 1 turns			≤ 0,5dB	
Mandreal Radius 7,5mm @1625 1 turns			≤ 1,0 dB	
Proof test	≥ 100 kpsi	≥ 100 kpsi	≥ 100 kpsi	≥ 100 kpsi