

Optical characteristics	UNIT	Specified value
Attenuation Coefficient	dB/km	1310 nm < 0.37
	dB/km	1550 nm < 0.24
Attenuation Discontinuities (ODTR 1550 nm)	dB/km	< 0.05
Attenuation Uniformity	dB	< 0.05
Macrobend	dB 100 turns	< 0.10
Fiber Cut-off Wavelength	nm	1190-1330
Zero Dispersion Wavelength	nm	1301-1322
Dispersion Slope	ps/nm ² -km	< 0.092
Polarization Mode Dispersion	ps/√km	< 0.1
Effective Group Index of Refraction	1310 nm	1.469
	1550 nm	1.469
Chromatic Dispersion	ps/nm-km 1270-1340 nm	< 5.3
Chromatic Dispersion	ps/nm-km 1285-1330 nm	< 3.5
Chromatic Dispersion	ps/nm-km 1550 nm	< 18

Geometrical characteristics		
Mode Field diameter	@1310 nm m	9.2 ± 0.4
	@1550 nm m	10.5 ± 0.8
Core diameter	m	9 ± 1
Cladding diameter	m	125 ± 1
Core / Cladding concentricity error	m	< 0.8
Cladding non-circularity	%	< 1.0
Coating diameter	m	245 ± 5
Coating / Clad concentricity error	m	< 10
Standard lengths	km	2.2 . 25.2

Mechanical and environmental characteristics		
Proof test level (1% stretch, 1 s)	kpsi	100
	N	8.8
	GPa	0.7
Coating Strip Force (typical)	N	1.9
Temperature Dependence of Attenuation	dB/km 1310/1300 nm	<0.05
Induced attenuation . 60.. +85 °C		
Temperature . Humidity Cycle	dB/km 1310/1300 nm	<0.05
Induced attenuation . 10ö +85°C and 4ö 85% R.H		
Heat Ageing	dB/km 1310/1300 nm	<0.05
Induced attenuation after 30 days at +85°C / 85% R.H		
Water Immersion	dB/km 1310/1300 nm	<0.05
Induced attenuation of fiber soaked in 23°C water for 30 days		

