

# Product Characteristics – Optical Fibres

Fibre:			
	type of fibre	graded index multimode fibre	62.5/125µm
	standard	ISO/IEC-11801, OM1	
	standard	IEC-60793, A1b	

Characteristics:	Properties	Unit
Core diameter	62.5 ± 3	µm
Core non-circularity	max. 6	%
Core/Cladding concentricity error	max. 1.5	µm
Cladding diameter	125.0 ± 2.0	µm
Cladding non-circularity	max. 1.0	%
Coating diameter, uncoloured	245 ± 5	µm
Coating diameter, coloured	250 ± 15	µm
Coating non-circularity	max. 6	%
Coating/Cladding concentricity error	max. 12	µm
Temperature sensitivity; -60°C to +80°C	max. 0.20	dB/km
Bending sensitivity; 100 turns around Ø75mm	max. 0.5	dB
Proof test level	min. 0.69	GPa
Numerical aperture	0.275 ± 0.015	-
Effective Group Core Refractive Index; 850 nm	1.493	-
Effective Group Core Refractive Index; 1300 nm	1.488	-