

## Specification for multimode fibre 62,5µm OM1

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### Primary coating of acrylate

#### I. FIBRE GEOMETRY

Coating diameter, coloured	$250 \pm 15$	µm
Cladding diameter	$125 \pm 2,0$	µm
Core diameter	$62,5 \pm 3$	µm
Cladding non-circularity	$\leq 2$	%
Core non-circularity	$\leq 6$	%
Core concentricity error	$\leq 1,5$	µm

#### II. MECHANICAL CHARACTERISTICS

Proof-test level	1	%
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#### III. TRANSMISSION DATA

Attenuation at 850 nm	$\leq 3,0$	dB/km
Attenuation at 1300 nm	$\leq 1,0$	dB/km
Bandwidth 850 nm - OFL	$\geq 200$	MHz x km
Bandwidth 1300 nm - OFL	$\geq 600$	MHz x km
Numerical aperture	$0,275 \pm 0,015$	

#### IV. REFERENCES

European standard: EN 50173-1  
 International standard: IEC 60793-2-10 Sub-category A1-OM1