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## SPECIFICATION FOR MULTIMODE FIBRE 62.5 $\mu$ m OM1

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Primary coating of acrylate.

### I. FIBER GEOMETRY

Coating diameter, coloured	250 $\pm$ 15 $\mu$ m
Cladding diameter	125 $\pm$ 2 $\mu$ m
Core diameter	62.5 $\pm$ 3 $\mu$ m
Cladding non-circularity	$\leq$ 2 %
Core non-circularity	$\leq$ 6 %
Core concentricity error	$\leq$ 1.5 $\mu$ m

### II. MECHANICAL CHARACTERISTICS

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

Attenuation 850 nm	$\leq$ 3.5 dB/km
Attenuation 1300 nm	$\leq$ 1.5 dB/km
Bandwidth 850 nm	$\geq$ 200 MHz x km
Bandwidth 1300 nm	$\geq$ 600 MHz x km
Numerical aperture	0.275 $\pm$ 0.015

### IV. REFERENCES

European standard: EN 50173-1  
International standard: IEC 60793-1 and IEC 60793-2-10 Type A1b