

Specification for multimode fibre 50µm OM3

Primary coating of acrylate

I. FIBRE GEOMETRY

Coating diameter, coloured	250 ± 15	µm
Cladding diameter	125 ± 1,0	µm
Core diameter	50 ± 2,5	µm
Cladding non-circularity	≤ 1,0	%
Core non-circularity	≤ 5,0	%
Core concentricity error	≤ 1,5	µm

II. MECHANICAL CHARACTERISTICS

Proof-test level	≥ 1	%
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III. TRANSMISSION DATA

Attenuation at 850 nm	≤ 2,5	dB/km
Attenuation at 1300 nm	≤ 0,8	dB/km
Bandwidth 850 nm - OFL	≥ 1500	MHz x km
Bandwidth 1300 nm - OFL	≥ 500	MHz x km
Numerical aperture	0,200 ± 0,015	

IV. REFERENCES

European standard: EN 50173-1
 International standard: IEC 60793-2-10 Sub-category A1-OM3