SPECIFICATION FOR 62.5/125 MULTIMODE OPTICAL FIBRE: ISO/IEC 11801 & IEC 60793-2-10 Type A1b SPECIFICATION

OPTICAL PROPERTIES

Attenuation	@ 850 nm	≤ 3.2 dB/km
	@ 1300 nm	\leq 0.8 dB/km
Overfilled Modal Bandwidth	@ 850 nm	≥ 200 MHz.km
	@ 1300 nm	≥ 500 MHz.km
Numerical Aperture		0.275 ± 0.015
Attenuation Uniformity	Point or Step Defects	≤ 0.2 dB
	Extended variations	≤ 0.2 dB
Group Index of Refraction	(Typical) 850 nm	1.495
	1300 nm	1.490

GEOMETRICAL PROPERTIES

Core	62.5 ± 2 μm
Core Non-Circularity	≤ 5.0 %
Core / Cladding Concentricity Error	≤1 μm
Cladding Diameter	125.0 ± 1.0 μm
Cladding Non-Circularity	≤ 0.7 %
Coating Diameter	245 ± 10 μm
Coating Concentricity Error	\leq 12.5 μ m
Coating Non-Circularity	\leq 6 %

MECHANICAL PROPERTIES

Proof Test Level

 $\geq 0.69~\text{GPa}~/ \geq 1.0~\%$

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