



Graded-Index multimode optical fibres 62,5/125 micron. The fibres are designed for its use at the wavelengths of 850 nm and 1300 nm. These fibres are suitable for use in premises wiring applications, like Local Area Networks (LAN) with video, data and voice using LED, VCSEL or Laser Fabry Perot sources.

The fiber complies with or exceeds IEC 60793-2-10 type A1b Optical Fiber Specification, ISO/IEC 11801 OM1 / OM2, TIA/EIA-492AAAA and Telcordia GR-20-CORE and GR-409-CORE Specifications.

GEOMETRICAL AND MECHANICAL CHARACTERISTICS	VALUES
Core diameter	$62.5 \pm 2.5 \mu\text{m}$
Core non-circularity	$\leq 6 \%$
Core / Cladding concentricity error	$\leq 1.5 \mu\text{m}$
Cladding diameter	$125 \pm 2 \mu\text{m}$
Cladding non-circularity	$\leq 1 \%$
Primary coating diameter	$245 \pm 10 \mu\text{m}$
Coating non-circularity	$\leq 6 \%$
Coating concentricity error	$\leq 12.5 \mu\text{m}$
Proof Test	$\geq 8.8 \text{ N} / \geq 1 \% / \geq 100 \text{ Kpsi}$

Geometrical and mechanical characteristics according to IEC 60793-2-10.

OPTICAL CHARACTERISTICS		OM1	OM2
Attenuation Coefficient (dB/Km)	850 nm	≤ 3.0	≤ 3.0
	1300 nm	≤ 0.7	≤ 0.7
Bandwidth (MHz.Km)	850 nm	≥ 200	≥ 500
	1300 nm	≥ 500	≥ 500
Link Distance (m)	1000Base-SX	300	550
	1000Base-LX	550	550
Numerical Aperture	0.275 ± 0.015		
Group Index of Refraction	850 nm	1.496	
	1300 nm	1.491	

Optical properties according to IEC 60793-2-10, ISO/IEC 11801, EN 50173, ANSI/TIA/EIA-492AAAA and Telcordia GR-20-CORE and GR-409-CORE.

Optical specifications for uncabled fibre.