

# Fibre Optic

## Multimode Optical Fibre 62,5/125

### Applications

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.

### Optical Characteristics

		OM1
Attenuation Coefficient (dB/Km)	850 nm	≤ 3.0
	1300 nm	≤ 0.7
Bandwidth (MHz.Km)	850 nm	≥ 200
	1300 nm	≥ 500
Link Distance (m)	1000Base-SX	300
	1000Base-LX	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- COR and GR-409-CORE.

### Geometrical And Mechanical Characteristics

Core diameter	62,5 ± 2.5 µm
Core non-circularity	≤ 6 %
Core / Cladding concentricity error	≤ 1.5 µm
Cladding diameter	125 ± 2 µm
Cladding non-circularity	≤ 1 %
Primary coating diameter	245 ± 10 µm
Coating non-circularity	≤ 6 %
Coating concentricity error	≤ 12.5 µm
Proof Test	≥ 8.8 N / ≥ 1 % / ≥ 100 Kpsi

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

