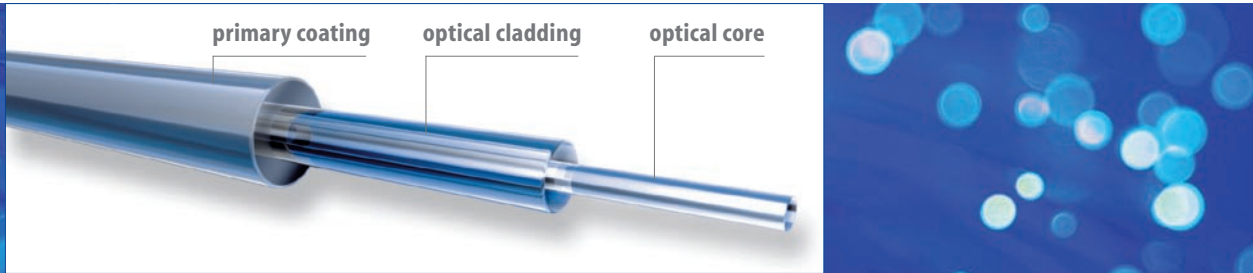


## Multimode fiber G50/125



Multimode fiber G50/125 acc. to IEC 60 793-2-10

### Geometry/mechanical properties

Core diameter (µm)	50 ± 2.5	Cladding non-circularity (%)	< 1
Cladding diameter (µm)	125 ± 2	Core/Clad concentricity error (µm)	< 1.5
Coating diameter (µm)	245 ± 10	Eccentricity of coating (µm)	< 10
Core non-circularity (%)	< 5	Screen-Test	≥ 100 kpsi

Transmission properties	Fiber type F (OM1)		Fiber type G (OM2)		Fiber type H (OM2)		Fiber type I (OM3)	
Wavelength (nm)	850	1300	850	1300	850	1300	850	1300
Attenuation max. (dB/km)	3.0	1.0	2.7	0.8	2.7	0.7	2.5	0.7
Bandwidth min. (MHz · km)	350	600	500	1000	600	1200	1500	500
Effective group of refraction	1.483	1.478	1.483	1.478	1.483	1.478	1.483	1.478
Numerical aperture	0.200 ± 0.020		0.200 ± 0.015		0.200 ± 0.015		0.200 ± 0.015	

### Applications and link lengths

	G50/125			
	F	G	H	I
Type according to IS 11801: 09/2002	OM1	OM2	OM2	OM3
Gigabit Ethernet 1000BASE-SX (850 nm)	500 m	525 m	750 m	1,000 m
Gigabit Ethernet 1000BASE-LX (1300 nm)	550 m	1000 m	2,000 m	550 m
10 Gigabit Ethernet 10GBASE-SX (850 nm)				300 m
10 Gigabit Ethernet 10GBASE-LX4 (1310 nm WDM)				300 m