

Product information

Application

Local, industrial or EDP networks (e.g. LAN) for medium transmission distances and at medium transmission rates at the 850nm and 1300nm wavelengths. The geometry, optical and mechanical specifications correspond with all relevant national, european and international standards.

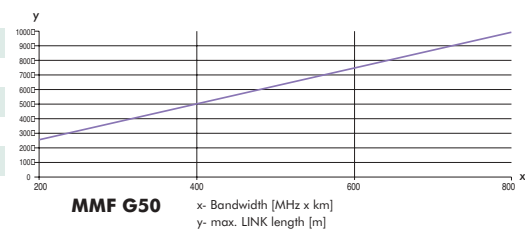
Transmission characteristics

		G50/125/250		G62.5/125/250	
wavelength	[nm]	850	1300	850	1300
typ. attenuation (cabled)	[dB/km]	2.5	0.5	2.6	0.5
max. attenuation (cabled)	[dB/km]	2.7	0.7	3.0	0.7
min. bandwidth	[MHz x km]	500	800	200	600
refractive index		1.482	1.477	1.496	1.491

Geometry and mechanical characteristics

		G50/125/250	G62.5/125/250
numerical aperture		0.200 +/- 0.015	0.275 +/- 0.015
core Ø	[µm]	50 +/- 2.5	62.5 +/- 2.5
max. core non circularity	[%]	6	6
cladding Ø	[µm]	125 +/- 2	125 +/- 2
max. cladding non circularity	[%]	1.0	1.0
max. cladding/core concentricity error	[µm]	1.5	1.5
max. coating concentricity error	[µm]	12.5	12.5
coating Ø	[µm]	245 +/- 10.0	245 +/- 10.0
test load	[kpsi]	100	100

IEEE 802.3z	fibre type	bandwidth [MHz x km]	max. length [m]
1000 Base-SX	MMF G50	400	500
1000 Base-SX	MMF G62	200	275
1000 Base-LX	MMF G50	500	550
1000 Base-LX	MMF G62	500	550
1000 Base-LX	SMF E9	-	5000



Technical changes reserved.