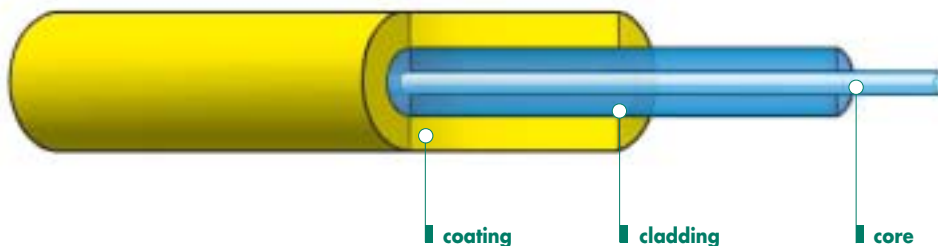


Multimode Fibre (MMF) Premium

G50/125/250 according ITU-T Rec. G. 651/IEC 60793-2
 Typ A 1a/prEN 50173 Aug 01>OM2
 G62.5/125/250 according IEC 60793-2
 Typ A 1b/prEN 50173 Aug 01>OM1



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 Premium		G62.5 Premium	
wavelength	[nm]	850	1300	850	1300
typ. attenuation (cabled)	[dB/km]	2.2	0.5	2.6	0.5
max. attenuation (cabled)	[dB/km]	2.4	0.7	2.9	0.7
min. bandwidth	[MHz x km]	600	1200	300	1000
refractive index		1.482	1.477	1.496	1.491

Geometry and mechanical characteristics

		G50 Premium	G62.5 Premium
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	245 +/- 10
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	400/500	550
1000 Base-LX	MMF G62	500	550
1000 Base-LX	SMF E9	-	5000

