

## GigaLine® Fibre qualities

	G50/125 "OM2e"	G50/125 "OM3"	G 50/115 "OM3e"	G62.5/125 "OM1e"	E9...10/12 "OS1e"
<b>Attenuation coefficient</b>					
at 850 nm:	max. 2.5 dB/km	max. 2.5 dB/km	max. 2.5 dB/km	max. 3.0 dB/km	
at 1,300 nm:	max. 0.7 dB/km	max. 0.7 dB/km	max. 0.7 dB/km	max. 0.7 dB/km	
at 1,310 nm:					max. 0.36 dB/km
at 1,383 nm:					max. 0.40 dB/km
at 1,550 nm:					max. 0.22 dB/km
<b>Bandwidth</b>					
at 850 nm:	min. 600 MHz x km	min. 1,500 MHz x km	min. 3,500 MHz x km	min. 250 MHz x km	
at 1,300 nm:	min. 1,200 MHz x km	min. 500 MHz x km	min. 500 MHz x km	min. 800 MHz x km	
<b>Laser bandwidth</b>					
at 850 nm:		min. 2,000 MHz x km	min. 4,700 MHz x km		
<b>Dispersion</b>					
at 1,310 nm:					max. 3.5 ps/nm x km
at 1,550 nm:					max. 18 ps/nm x km
<b>Segment length at Gigabit Ethernet</b>					
at 850 nm (1,000BASE-SX):	min. 750 m	min. 900 m	min. 1,000 m	min. 500 m	
at 1,300 nm (1,000BASE-LX):	2,000 m min.	min. 550 m	min. 550 m	min. 1,000 m	
<b>Segment length at 10 Gigabit Ethernet</b>					
at 850 nm (10GBASE-SR):	min. 110 m	min. 300 m	min. 550 m	min. 65 m	
at 1,300 nm (10GBASE-LX4):	min. 900 m	min. 300 m	min. 300 m	min. 450 m	min. 10,000
<b>Numerical aperture</b>	Nominal value 0.20	Nominal value 0.20	Nominal value 0.20	Nominal value 0.275	Nominal value 0.12
<b>Refraction index</b>					
at 850 nm:	Nominal value 1.482	Nominal value 1.482	Nominal value 1.482	Nominal value 1.496	
at 1,300 nm:	Nominal value 1.477	Nominal value 1.477	Nominal value 1.482	Nominal value 1.491	
at 1,310 nm:					Nominal value 1.4675
at 1,550 nm:					Nominal value 1.4681
<b>Test load</b>	100 kpsi	100 kpsi	100 kpsi	100 kpsi	100 kpsi

Other Fibre qualities on request