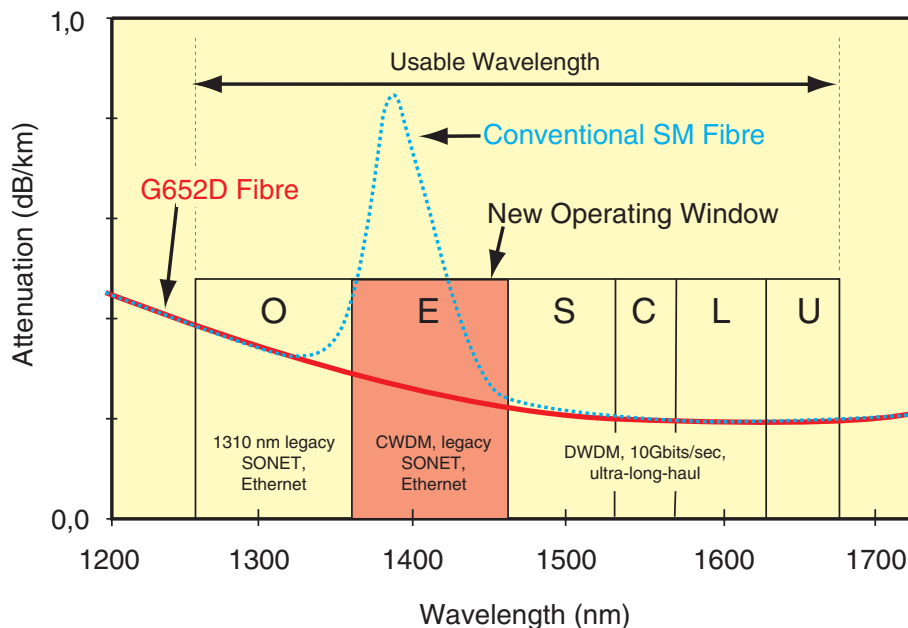


Fibre specifications

Singlemode-Fibre

In our production we use the **Low Water Peak Fibre** ITU G652D as standard.



Typical optical, geometrical and mechanical data are:
 (values after cabling)

Attenuation @ 1310nm	< 0,35 dB/km
Attenuation @ 1382nm, H2-aged	< 0,35 dB/km
Attenuation @ 1550nm	< 0,22 dB/km
Attenuation @ 1625nm	< 0,24 dB/km
Chromatic dispersion @ 1310nm	≤ 3 (ps/[nm.km])
Chromatic dispersion @ 1550nm	≤ 18 (ps/[nm.km])
Mode field diameter @ 1310nm	9,2 ± 0,4 μm
Mode field diameter @ 1550nm	10,3 ± 0,5 μm
Cladding diameter	125 ± 1,0 μm
Core/cladding concentricity	< 0,6 μm
Cladding non-circularity	< 1%
Coating Diameter	245 ± 7μm
Screen test	0,7GPa (100kpsi); 1 % strain equivalent

All data comply with or exceed the ITU-T recommendation G652D.

Other data are available on request.

For special applications such as FTTH or FinTH, we offer BendBright® singlemode optical fibre conform to ITU G657A&B and ITU G652D.

Other Singlemode-Fibre like ITU G655 (NZDS) are available on request.

Multimode-Fibre

Fibre class	Fibre-type	Bandwidth 850/1300nm MHz.km	Attenuation 850/1300nm dB/km	1Gb/s Link		10Gb/s Link	10Gb/s Link
				850nm	1300nm	850nm Serial	1300nm WWDM
				1000Base-		10GBase-	10GBASE-LX4
	μ			SX	LX	SR	or LRM
				m	m		
OM-1 ^{Plus}	62,5	200/600	2,8/0,7	500	1000	65	450
OM-2 ^{Plus}	50	600/1200	2,4/0,6	750	2000	110	900
OM-3	50	EMBC= 2000/500	2,4/0,6	1000	550	300	300
OM-3 ^{Plus} (OM-4)	50	EMBC= 4700/500	2,4/0,6	1100	550	550	300

























Typical optical, geometrical and mechanical data are:

Numerical aperture	0,200 ± 0,015
IOR typical	1,482 @850nm, 1,477 @1300nm
Core	50 or 62,5 ± 2,5 μ m
Cladding diameter	125 ± 1,0 μ m
Core non-circularity	≤ 5 %
Cladding non-circularity	≤ 1 %
Coating diameter	245 ± 7 μ m
Coating non-circularity	≤ 5 %
Screen test	0,7GPa (100kpsi); 1 % strain equivalent






All data comply with or exceed the ITU G651 respectively IEC 60793-2-10 type A1a.1.

Other data are available on request.

Fibre color code

Fibre No.	1	2	3	4	5	6	7	8	9	10	11	12
Color												
Fibre No.	13	14	15	16	17	18	19	20	21	22	23	24
Color												

Tube color code

Counter tube	
Direction tube	
Follow tube :	
- Singlemode-Fibre	
- Multimode-Fibre 50 μ m	
- Multimode-Fibre 62,5 μ m	

Other colors are available on request.