



Cable construction details :

Number of fiber.	1~4F	
Fiber type	G657.A1/G657.A2/G652.D	
Strength member	Material	FRP
	Diameter	0.5mm
Outer sheath	Material	LSZH
	Color	Black
	Diameter	2.0±0.1x3.0±0.1mm
Weight		8.5Kg/Km
Installation Temperature range (°C)		-20~+60
Operation and transport temperature (°C)		-40~+70
Min Bending Radius(mm)	Static	10D
Min Bending Radius(mm)	Dynamic	25D
Tensile Strength(N)	Long term	40
	Short term	80
Crush Load (N/100mm)	Long term	500
	Short term	1000

Fiber color

1	2	3	4
Blue	Orange	Green	Brown

Fiber Characteristic

Characteristics	Conditions	Specified Values	Unit
Attenuation	1310nm	≤0.36	dB/KM
	1550nm	≤0.21	dB/KM
Attenuation vs.wavelength	1285~1330nm	≤0.03	dB/KM
Max.adifference	1525~1575nm	≤0.02	dB/KM
Zero dispersion wavelength		1300~1324	nm
Zero dispersion slope		≤0.092	ps/nmm ² .km
PMD			
Maximum Individual Fiber		≤0.2	ps/√ km
Link Design Value(M=20,Q=0.01%)		≤0.1	ps/√ km
Typical value		0.04	ps/√ km
Cable cutoff wavelength λ _c		≤1260	nm
Mode field diameter(MFD)	1310nm	8.8±0.4	nm
	1550nm	9.8±0.5	nm
Effective group index of refraction	1310nm	1,466	-
	1550nm	1,467	-
Point discontinuities	1310nm	≤0.05	dB
	1550nm	≤0.05	Db

Geometrical Characteristics

Cladding diameter	124.8±0.7	um
Cladding non-circularity	≤0.7	%
Cladding diameter	245±5	um
Cladding non-circularity error	≤12.00	um
Coating non-circularity	≤6.00	%
Core-cladding concentricity error	≤0.50	um
Curl(radius)	≥4	m

Package

1.Packing material: wooden drum

2.Packing length: standard length of cable shall be 2Km,other cable length is also availabler

If required by custome.

Cable marking and cable reel marking

The cable sheath shall be marked with white characters according to customer's requirement.