

Cable construction details :

Number of fiber.	1~4F	
Fiber type	G657.A1/G657.A2/G652.D	
Strength member	Material	Phosphide wire
	Diameter	0.4mm
Self support Messenger	Material	Phosphide wire
	Diameter	1.0mm
Outer sheath	Material	LSZH
	Color	Black
	Diameter	2.0+/-0.1x5.1+0.2mm
Weight		19.5Kg/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	300
	Short term	600
Crush Load (N/100mm)	Long term	1000
	Short term	2200

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.