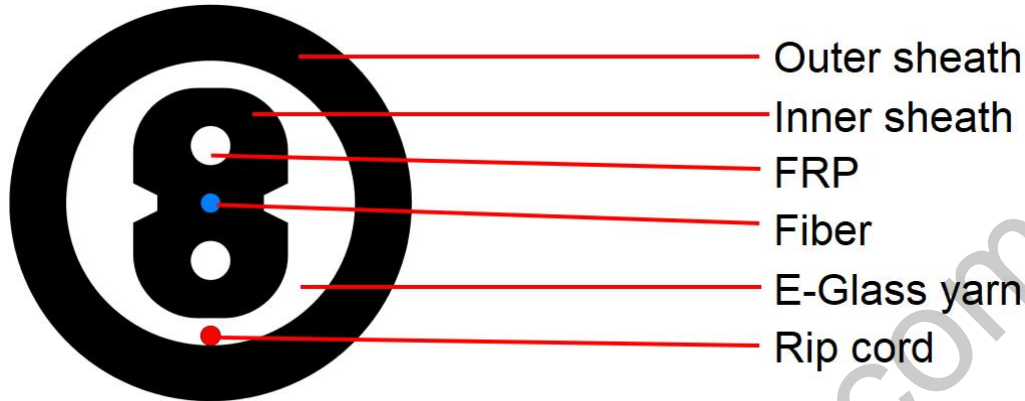


FTTH Duct Cable 1F SM G657A1 OD5.0

1. Cable structure:



2. Cable construction details :

Fiber	type	G657A1
	Number	1
Strength member	Material	0.5mm FRP & E-Glass yarn
Inner sheath	Material	LSZH
	Color	Black
	Diameter	2.0*3.0mm
Outer sheath	Material	PE
	Color	Black
	Diameter	5.0±0.3mm
Installation Temperature range (°C)		-10+60
Operation and transport temperature (°C)		-20+70
Storage temperature (°C)		-20+70
Min Bending Radius(mm)	Long term	10D
	Short term	20D
Tensile Strength(N)	Long term	500
	Short term	1000
Crush Load (N/100mm)	Long term	500
	Short term	1000

3. Standard color of fiber

1
Blue

4. Fiber characteristic

Characteristics	Conditions	Specified Values	Unit
Attenuation	1310nm	≤0.4	dB/KM
	1550nm	≤0.3	dB/KM
Attenuation vs. Wavelength Max. difference	1285-1330nm	≤0.03	dB/KM
	1525-1575nm	≤0.02	dB/KM
Zero dispersion wavelength		1300-1324	nm
Zero dispersion slope		≤0.092	ps/nm 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_{∞}		≤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	%
Coating diameter		245±5	um
Coating-cladding concentricity error		≤12.0	um
Coating non-circularity		≤6.0	%
Core-cladding concentricity error		≤0.5	um
Curl (radius)		≥4	m