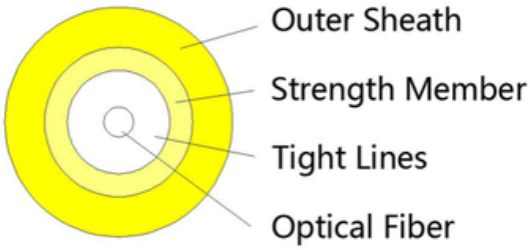
1 Core FTTH Drop Cable GJFJH Single Mode

GJFJH



RS461101

Technical Data

No. of cable			1	
Tight lines	Material		PVC/LSZH	
	Thickness（±0.03）mm		0.32	
	Diameter（±0.06）mm		0.9	
	Colour		White	
Strength Member	Material		Aramid Yarn	
Outer Sheath	Material		PVC/LSZH	
	Thickness（±0.05）mm		0.35	0.45
Cable Diameter（±0.2）mm			2	3
Cable Weight（±2）kg/km			5	7
Allowable Tensile Strength	Short Term	N	150	
	Long Term		80	
Allowable Crush Resistance	Short Term	N/100mm	500	
	Long Term		100	
Min. bending radius	Without Tension		10.0D	
	Under Maximum Tension		20.0D	
Temperature range (℃)	Installation		-20~+60	
	Transport&Storage		-20~+60	
	Operation		-20~+60	

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Characteristic	condition	data	unit
Optical properties			
Attenuation	1310nm 1383nm(氢老化后) 1490nm 1550nm 1625nm	≤0.35 ≤0.35 ≤0.23 ≤0.22 ≤0.23	dB/km dB/km dB/km dB/km dB/km
Relative wavelength attenuation @1310nm @1550nm	1285～1330nm 1525～1575nm	≤0.05 ≤0.05	dB/km dB/km
Dispersion in the wavelength range of	1285～1340nm 1550nm	≤3.5 ≤18	ps/(nm.km) ps/(nm.km)
Zero dispersion wavelength		1300～1324	nm
A zero-dispersion slope		≤0.092	ps/(nm².km)
Polarization Mode Dispersion Coefficient PMD Single fiber maximum Fiber link value (M=20, Q=0.01%) Typical value		≤0.2 ≤0.1 0.04	ps/ ps/ ps/
Cable cut-off wavelength （λcc)		≤1260	nm
Mode field diameter （MFD）	1310nm 1550nm	8.8±0.4 9.8±0.5	μm μm
Attenuation discontinuities	1310nm 1550nm	≤0.05 ≤0.05	dB dB
Geometric characteristics			
Core diameter		125±0.7	μm
Cladding roundness		≤0.7	%
Coating diameter		245±5	μm
Coating / package concentricity error		≤12.0	μm
Core / package concentricity error		≤0.5	μm
The warpage (radius)		≥4	m

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Characteristic	condition	data	unit
Environmental characteristics（1310nm、1550nm、1625nm）			
Temperature additional attenuation	-60°C ～+85°C	≤0.05	dB/km
Temperature-humidity cycle additional attenuation	-10°C ～+85°C，98% Relative humidity	≤0.05	dB/km
Flooding additional attenuation	23°C，30 days	≤0.05	dB/km
Hot and humid additional attenuation	85°C和85% Relative humidity，30 days	≤0.05	dB/km
Dry heat aging	85°C	≤0.05	dB/km
Mechanical properties			
Screening tension		≥9.0	N
The macro bend Additional attenuation 10 CircleΦ30mm 10 CircleΦ30mm 1 CircleΦ20mm 1 CircleΦ20mm 1 CircleΦ15mm 1 CircleΦ15mm	 1550nm 1625nm 1550nm 1625nm 1550nm 1625nm	 ≤0.03 ≤0.1 ≤0.1 ≤0.2 ≤0.5 ≤1.0	 dB dB dB dB dB dB
Coating peeling force	Typical average	1.5	N
Dynamic fatigue parameters		≥20	