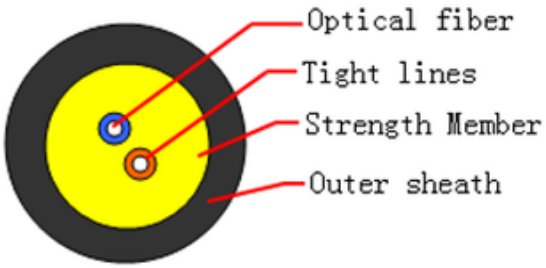
2 Core Drop Cable GJFJH Tight Buffer Single Mode

GJFJH



RS461122

500m on plastic reel

Technical Data

No. of cable			2
Fiber Model			G657A1
Tight lines	Material		PVC
	Thickness（±0.03）mm		0.32
	Diameter（±0.06）mm		0.9
xStrength Member	Material		Aramid Yarn
Outer Sheath	Material		LSZH
	Thickness（±0.2）mm		0.7
	Colour		Yellow
Cable Diameter（±0.2）mm			3.5
Cable Weight（±2）kg/km			11
Allowable Tensile Strength	Short Term	N	440
	Long Term		130
Allowable Crush Resistance	Short Term	N/100mm	400
	Long Term		200
Min. bending radius	Without Tension		10.0×Cable-φ
	Under Maximum Tension		20.0×Cable-φ
Temperature range (℃)	Installation		-20~+60
	Transport&Storage		-40~+70
	Operation		-40~+70

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Fiber Colors

NO.	1	2
Colour	Blue	orange

Optical Properties

Characteristic	Condition	Data	Unit
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

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Geometric Characteristics

Characteristic	Condition	Data	Unit
Core diameter		125±0.7	μm
Cladding roundness		≤0.7	%
Coating diameter		245±5	μm
Coating / package		≤12.0	μm
Core / package		≤0.5	μm
The warpage (radius)		≥4	m

Environmental characteristics（1310nm、1550nm、1625nm）

Characteristic	Condition	Data	Unit
Temperature additional	-60℃～+85℃	≤0.05	dB/km
Temperature-humidity cycle	-10℃～+85℃，98% Relative humidity	≤0.05	dB/km
Flooding additional attenuation	23℃，30 days	≤0.05	dB/km
Hot and humid additional	85℃和85% Relative humidity，30 days	≤0.05	dB/km

Mechanical Properties

Characteristic	Condition	Data	Unit
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	Typical average	1.5	N
Dynamic fatigue		≥20	