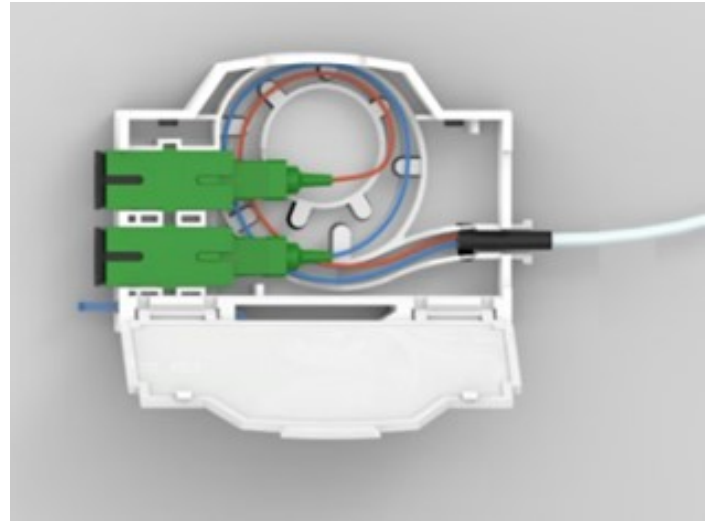


Technical Data Sheet

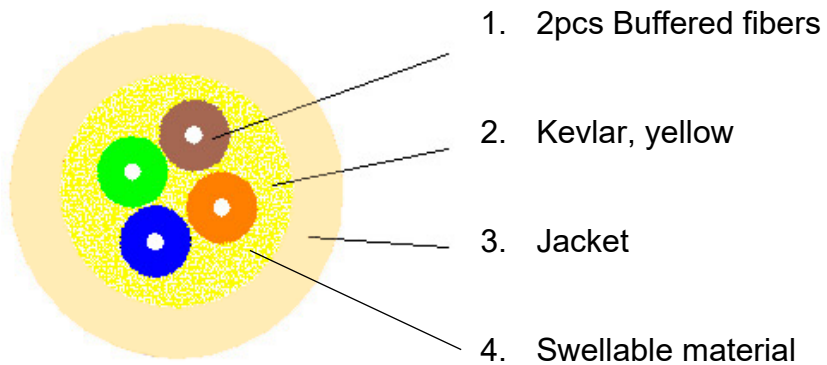
Product name: 2-fiber Optical Subscriber Cable



General Parameter

Insertion Loss	≤0.3dB
Return Loss	≥50dB for UPC connector, ≥60dB for APC connector
Connector type	SC or LC typically
Connector Surface Control	100% testing under 400 times microscope, compliant with IEC standard
Cable Type	2pcs buffered fibers, LSZH jacket, white, with G657A2 fiber inside. UV stabilized & LSZH for outer jacket, thickness of 1.1mm, OD is 4.5mm, white
Cable length	10M, 20M, 30M typically

Configuration of cable



Optical performance of G2 cable

Attenuation	@1310nm	$\leq 0.4\text{dB/km}$	
	@1550nm	$\leq 0.3\text{dB/km}$	
	@1625nm	$\leq 0.3\text{dB/km}$	
dimension	Clad. Diameter	$125\pm 0.7\mu\text{m}$	
	Non-circularity	$\leq 1\%$	
	Conc.	$\leq 0.8\mu\text{m}$	
	Buffer Diameter	$0.85\pm 0.05\text{mm}$	
	Cable diameter	Normal diameter $4.5\pm 0.1\text{mm}$	
stripping	Coating stripping	1.3~8.9N	
	Buffer stripping	$\leq 16\text{N}$	
Additional att. (-30°C~60°C)		$\leq 0.1\text{dB/km}$	
Mechanical characteristics	tension	Fiber	1
		long term	200N
		Short term	660N
	crush	long term	200N
		Short term	1000N/100mm
	impact		1 N.m, Additional att. $\leq 0.05\text{dB}$
	Repeating bending		20N,300 cycles, Additional att. $\leq 0.05\text{dB}$
	torsion		20N,20 cycles, $\pm 180^\circ$ Additional att. $\leq 0.05\text{dB}$
Bending radius	Load	50mm	
	unload	15mm	
Temperature	Operating temperature	-40°C to 70°C	
	Storage temperature	-40°C to 70°C	
Marking		No Marking	