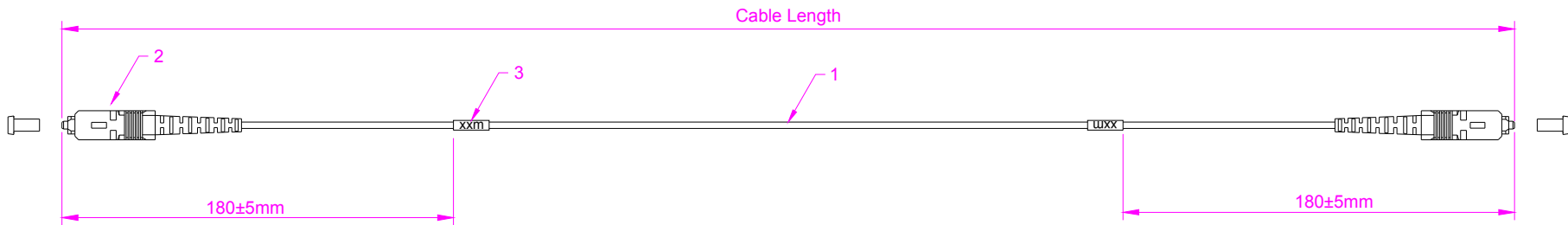


REV	MODIFICATION	UPDATE DATE	SIGNATURE



**Technical requirements:**

**1. Performance requirements:**

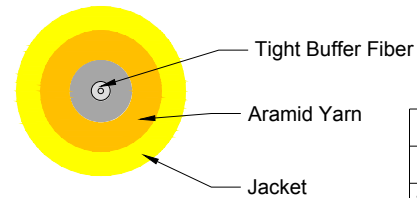
Insertion loss:  $IL \leq 0.2\text{dB}$

Return loss:  $RL \geq 60\text{dB}$

2. Fiber optic connectors meet IEC 61754, YDT1272 standards

3. Optical fiber cable in line with IEC60793-1, IEC 60794 standards

4. Fiber optic jumper complies with IEC 61300, GR-326, TIA/EIA568-B standards



Cable Structure

Cable Length	Tolerance
Cable Length < 1M	5cm
1M ≤ Cable Length < 15M	10cm
15M ≤ Cable Length < 30M	15cm
Cable Length ≥ 30M	Cable Length * 1%

Requirements Of Cable					
Cable Type				Fiber Type	G657A1
Cable Diameter	2.0mm	Attenuation	@1310nm < 0.4dB/km		
Cable Material	PVC		@1550nm < 0.3dB/km		
Tensile Strength	Long Term	60 N	Crush Resistance	Long Term	100 N/100mm
	Short Term	100 N		Short Term	500 N/100mm
Bending Radius	Static	30 D	Temperature Range	Storage Temperature	
	Dynamic	50D		-20 ~ +60	
				Operating Temperature	
				-20 ~ +60	

ITEM	QTY	P/N	SPECIFICATIONS			
3	2		Cable Label			
2	2		SC/APC SM 2.0mm Simplex Connector(Green Housing Green Boot)			
1	A/R		OD: 2.0mm, Singlemode , 9/125 G657A1 , Simplex, Fiber Optic Cable, Color: Yellow, PVC			

	DRAW	YUFENG XIE	DATE	12-08-2021	TITLE: Fiber Optic Patch Cord SC/APC-SC/APC Simplex 2.0mm Singlemode					
	CHECK	<i>Lhuanhuan</i>	APPROVED		CUSTOMER NO		DWG NO	FJ9SCASCA-XXM-SIM	REV	A