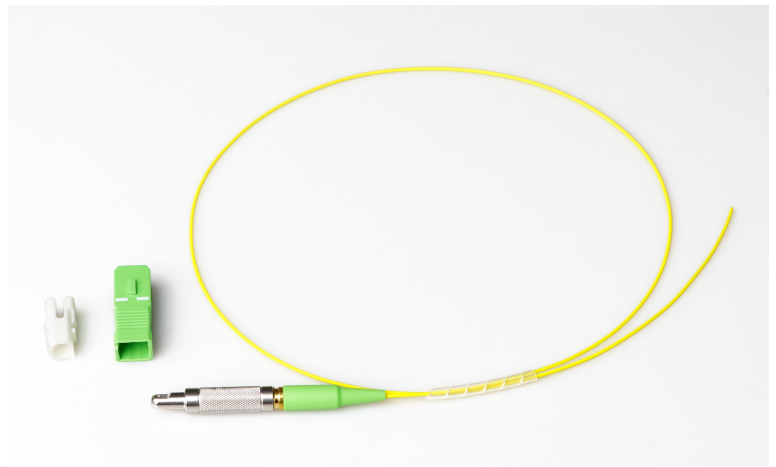


FICTION	CHECKED	APPROVER
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## SC Pushable Assemblies Specifications



### Description:

Designed to simplify fiber deployment, in situations where one fibers are required, SC Pushable components provide a technology-friendly field-assembled connector that can be connected together in seconds without compromising fiber protection or optical reliability. Pushable components significantly reduce installation costs for fiber-to-the-home (FTTH) installations, business-grade services, cellular backhaul, or any other small-volume delivery application.

### Application

- 1.Optical fiber communication systems engineering
- 2.Fiber optic data communication network
- 3.Fiber CATV engineering
- 4.Other optical technology tests

### Features:

- 1.Smooth wall protective sleeve is easily removed and an outer housing is snapped into place.
- 2.Low insertion loss and added loss
- 3.Tool-less installation.
- 4.Simple and easy installation.
- 5.Can penetrate walls and pipes.
- 6.Mechanical performance: IEC 61754-4.

**Specification:**

Item	Parameter					
	SM UPC		SM APC		MM PC	
Insertion loss	Typical	Max	Typical	Max	Typical	Max
		≤0.15dB	≤0.30dB	≤0.15dB	≤0.30dB	≤0.1dB
Return loss	Min. 50 dB		Min. 60 dB		Min. 30 dB	
Operating Wave Length	1310nm ~1550nm				850nm ~1300nm	
Test Wave Length	1310nm & 1550nm				850nm & 1300nm	
Durability	500 cycles					
Operating Temperature	-20 °C ~ +70 °C					
Storage Temperature	-20 °C ~ +70°C					
Installation Temperature	-10 °C ~ +70 °C					
Cable diameter range	∅ 0.9mm, ∅ 2.0mm - ∅ 3.0 mm					
<b>Assembly</b>						
Insertion loss	Max.0.3dB+0.3dB/km*L				Max.0.3dB+3.0dB/km*L	
Return loss	Min. 60 dB					

**Mechanical Characteristics:**

Test	Conditions	Reference
Face Geometry	3D Interferometer	IEC 61755-3-1/2
Face Quality	Endface Tester	IEC 61300-3-35
Endurance	500 matings	IEC 61300-2-2
Vibration	Frequency: 10 to 55Hz, Amplitude: 0.75mm	IEC 61300-2-1
Connector retention	50N/120s	IEC 61300-2-4
Strength of coupling mechanism	40N/60s	IEC 61300-2-6
Cable torsion	15N,Turning angle:0° , 180° , 0° , +180° , 25times	IEC 61300-2-5
Fall	5 drops, 1.5m drop height	IEC 61300-2-12
High and low temperature cycle	-25°C to +70°C, 12 cycles	IEC 61300-2-22
High temperature and humidity	-10°C~+65°C, Humidity: 90%~100%, cycles: 12 cycles	IEC 61300-2-21