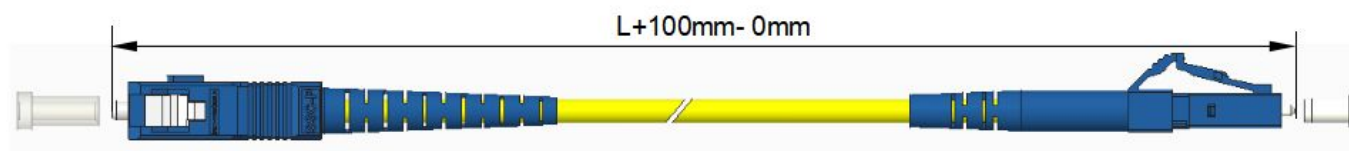
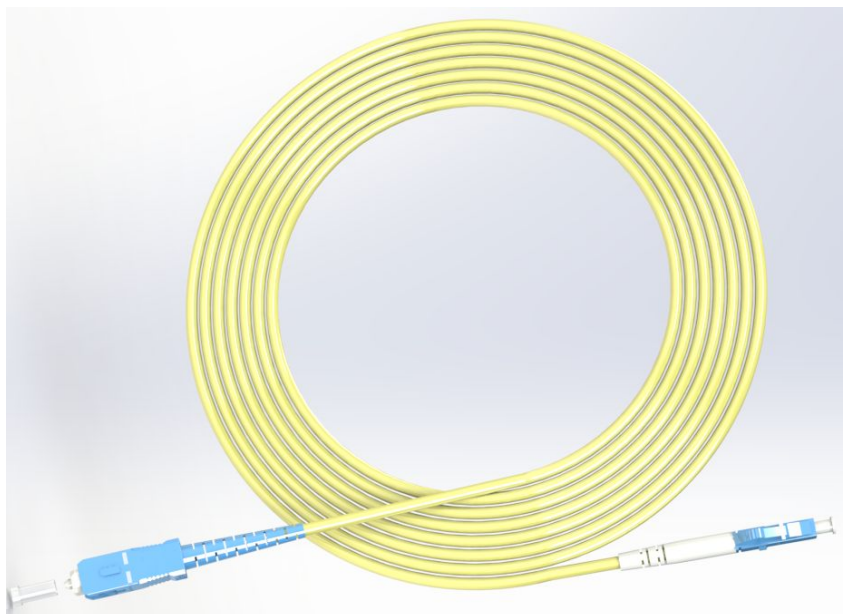


## Product Specification

### SC/UPC-LC/UPC SM 3.0 Indoor Cable Patch Cord



Ferrule-Ferrule Length: 3000mm+100/-0mm

Draft	Review	Approve
Liu Jian	Liu Hongyu	Huang Xiaoyu

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## 1.Introduction:

This production specification is targeted on our products: SC/UPC-LC/UPC SM 3.0 Indoor Cable Patch Cord, a papered standard, to give both buyer and supplier an acceptance basics.

All materials used are according with Telecommunication industry requirements.

Standard used:

YDT 1272.1-2003 Optical fiber movable connector the 1<sup>st</sup> part: LC

YDT 1272.3-2005 Optical fiber movable connector the 3<sup>rd</sup> part: SC

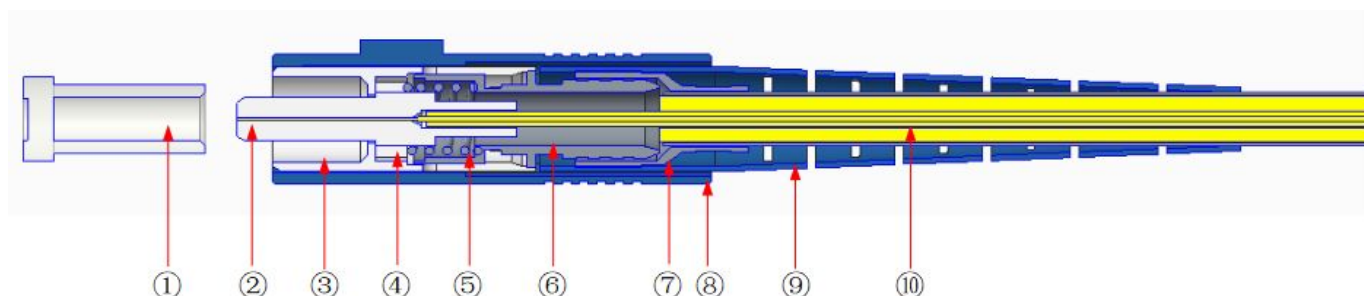
## 2.Products:

The length tolerance is +100/-0mm, from 1<sup>st</sup> ferrule to the 2<sup>nd</sup> ferrule surface.

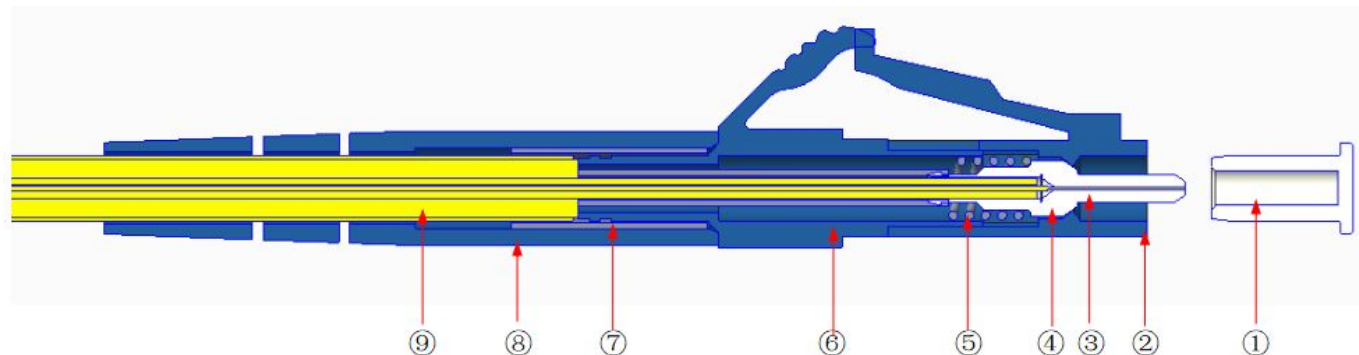
## 3.Material- ceramic ferrule

In order to ensure optical specification, we use concentricity 0.5/1.0 ceramic ferrule, and the tailstock is made by copper with coating

## 4.Materials-LC SC part sets:



No.	Item	Material	Color	RoHS
①	Dust cap	PE	transparent	✓
②	Ferrule	Zirconia ceramic	White	✓
③	Inner case	PBT	white	✓
④	Ferrule tailstock	Copper (C3602)	Plate with nickel	✓
⑤	Spring	SUS304		✓
⑥	Stop ring	Copper alloy (HPD59-1)	Plate with nickel	✓
⑦	Punch tube	AL alloy		✓
⑧	SC housing	PBT	Blue	✓
⑨	Soft tail	TPU	Blue	✓
⑩	Optical cable	SM G657A1 fiber,D3.0mm cable,with Kevlar & LSZH sheath, Yellow		✓

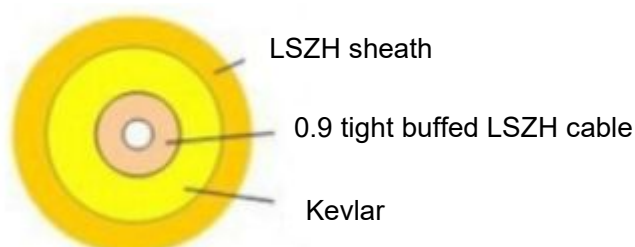


No.	Item	Material	Color	RoHS
①	Dust cap	PE	White	✓
②	LC housing	PEI	Blue	✓
③	LC ferrule	Zirconia ceramic	White	✓
④	LC tailstock	Copper (C3602)	Plate with nickel	✓
⑤	Spring	SUS304		✓
⑥	Stop ring + tail base	AL+PEI	Blue	✓
⑦	Punch ring	AL alloy		✓
⑧	Soft tail	PVC	Blue	✓
⑨	Cable	SM G657A1 fiber,D3.0mm cable,with Kevlar & LSZH sheath, Yellow		✓

## 5.Material–3.0 cable:

The cut section is as following, made by 3 level materials around the coated fiber.

- ①LSZH sheath
- ②Kevlar for tension
- ③0.9 tight buffered cable, LSZH



- ④Cable tension: as customer ordered, the cable bears 45kg tension.

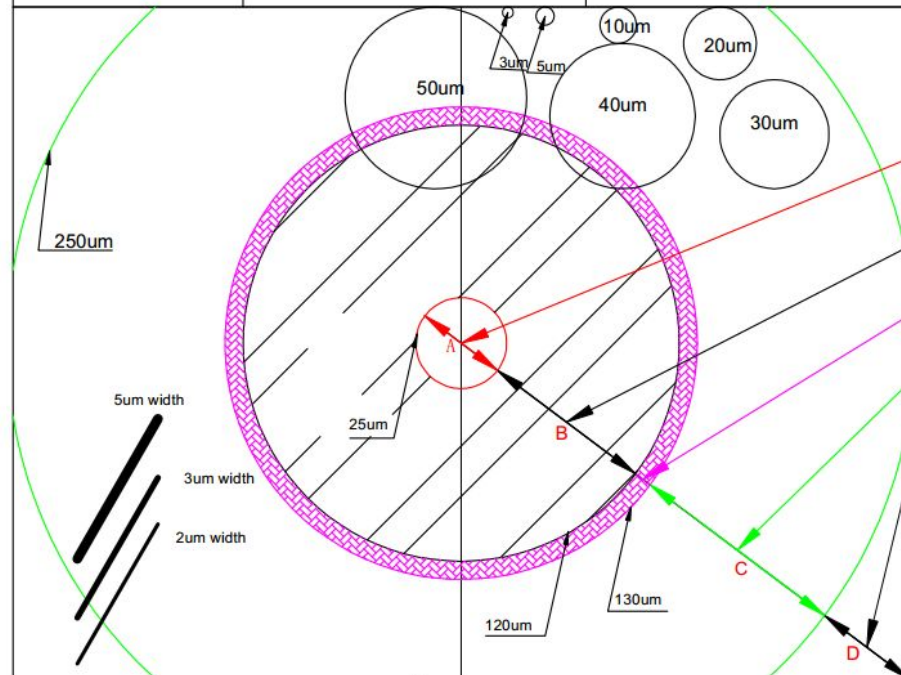
## 6. Path cord specification

6.1 Optical specification: the manufacture makes 100% inspection passed then supplies to

customer. The passed standard is as following:

No.	Item	Results	Standard	Equipment
1	IL	$\leq 0.18\text{dB}$	IEC61300-3-4B	IL/RL equipment
2	RL	$\geq 50\text{dB}$	IEC61300-3-6	IL/RL equipment
3	Polished	Grade A	IEC61300-3-35	400X microscope
4	Cable tension	45kg	2min- $\Delta\text{IL}<0.3\text{dB}$ , $\Delta\text{RL}<5\text{dB}$	45kg vertical tension- Customer ordered
5	Vibration	5-50HZ, 1.5SM mm, $\Delta\text{IL}<0.1\text{dB}$		Vibration equipment- Customer ordered

6.2 Polished standard:

Class A Endface Test (400x)			File No.	WI-P3-02
			Page	Page 1 (Total 1 Page)
Client	Applicable Range	Product Type	Procedure	
All	SC/LC Endface	UPC/APC	Connector Endface Test	
			Detailed requirement (can be customized)	
			Zone	Acceptable characteristic (Type, Size, Quantity)
			A	Any defects such as visible dirty, fragment concave, scratch are not allowable
			B	Scratch: <2um width, 2pcs Other unerasable defects: <5um width, 3pcs
			C	Scratch: <5um width, 1pcs Other unerasable defects: <10um, few pcs
			D	Scratch: --- Other unerasable defects: ≤30um, 5pcs
			Remarks: 1. Special requirements: Can be customized 2. Environment production requirements: No hazardous wastes is generated during production. 3. Safety requirements: Work protection is required during production process, etc. 4. Related files: Work instructions on Endface Test.	
By Liu Jian		Inspect: Liu Hongyu		Approval: Huang Xiayu
Date: 2020-10-11		Date: 2020-10-11		Date: 2020-10-11

## 7. Packing

7.1 Use strip to bundle up 2 sides.

7.2 Out of the following details is made by industry habits:

Each patch cord in a PE bag,  
10PE bags in a bigger PE bag,

A label on the first PE bag, the contents are confirmed by customer.

7.3 The bigger bags are packed in a carton, with a cardboard to separate.

#### 8. Quality assurance

Products is received by customer, within a week, if found serious quality problems, can exchange, the shipment charge is paid by supplier.

#### 9. Product schematic picture:

