PRODUCT SPECIFICATION

	Prepared	Checked	Approved
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	5/21	5/21	5/21

DOCUMENT NO	FPQS153M001
Customer Product Code	-
Customer Spec No.	-
Description	Duplex/Simplex LC/UPC, SC/UPC Jumper Cord

Revision History

Revision No.	Date	Description
Rev. 0	2018. 12. 14.	First issue
Rev. 1	2018. 12. 26.	Add the drawing of SC, LC on 1.2. Description Change as duplex/simplex LC/UPC, SC/UPC Jumper Cord
Rev. 2	2019. 05. 13.	Add Label form
Rev. 3	2019. 05. 21.	Add Crush strength & OM2 on 1.1, Cable structure on 5.
Rev. 4	2019. 06. 03.	Order code change: Duplex type is divided as with kit & without kit. OM2 is added.

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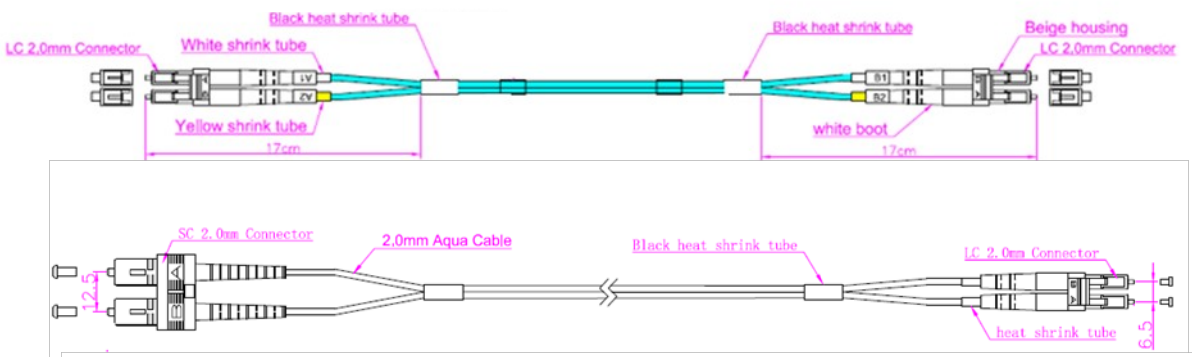
1. Duplex/Simplex Jumper code

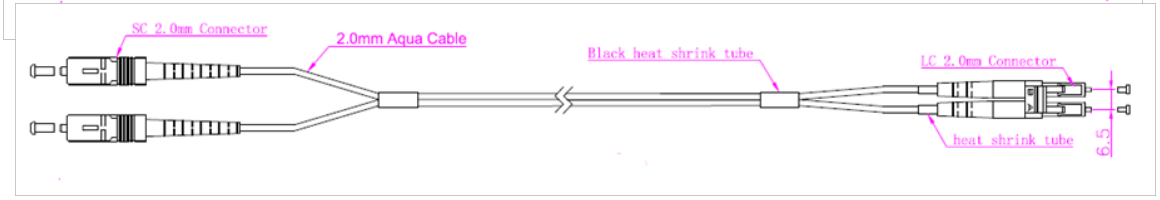
1.1. Optical & Mechanical Specification

Parameter	Unit		Specifications	
			SM	MM
Wavelength Range	nm		1260~1650	850±40, 1300±40
Operating Wavelength	nm		1310, 1550	850, 1300
Insertion Loss(IL)	Max	dB	0.3	0.3
Return Loss(RL)	Min	dB	50	30
Fiber Attenuation	Max	dB/km	0.35@1310nm /0.25@1550nm	2.5 @850nm / 0.8@1300nm
Fiber Type	-		SMF(G652D or G657.A1)	OM2, OM3, OM4, OM5
Cable Color	-		Yellow	OM2(Grass Green), OM3, OM4(Aqua), OM5(Lime green)
Connector Type	-		Both side duplex/simplex LC/UPC, SC/UPC	
Cable Dimension	mm		Φ2.0mm or Φ3.0mm	
Cable Material	-		PVC or LSZH	
Minimum Bend Radius	mm		10D(installed) 20D(loaded)	
Fiber Length Tolerance	mm		±10	
Tensile Strength	Min	N	100	
Crush Strength	Min	N/mm	1000/100	
Operating Temperature	℃		-45 ~ +75	
Storage Temperature	℃		-45 ~ +85	

* IL/RL : It is measured @1310nm,1550nm for SMF, @850nm,1300nm for MMF. The average value of 1310nm, 1550nm for SMF and 850nm, 1300nm for MMF are labelled on the package.
**Connector end-face is inspected by specified standards. Pass/Fail is labelled on package.

1.2. Schematic Drawing of Jumper Cord(Example:OM3)





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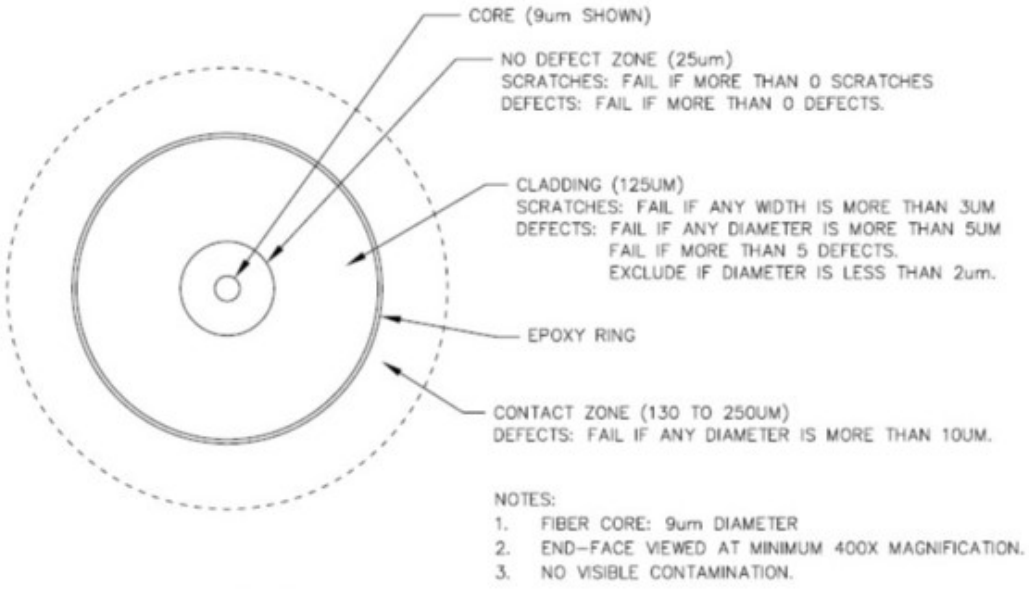
2. Connector Specification

2.1. Connector End-face

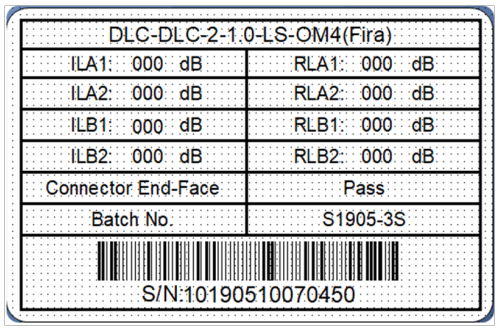


3. Ordering information

Connector Type(1)	Connector Type(2)	Cable Dimension	Cable Length	Cable Material	Fiber Type
DLC(K)=Duplex LC/UPC with kit DSC(K)=Duplex SC/UPC with kit DFC(K)=Duplex FC/UPC with kit DLC=Duplex LC/UPC without kit DSC=Duplex SC/UPC without kit DFC=Duplex FC/UPC without kit SLC=Simplex LC/UPC SSC=Simplex SC/UPC SFC=Simplex FC/UPC	DLC(K)=Duplex LC/UPC with kit DSC(K)=Duplex SC/UPC with kit DFC(K)=Duplex FC/UPC with kit DLC=Duplex LC/UPC without kit DSC=Duplex SC/UPC without kit DFC=Duplex FC/UPC without kit SLC=Simplex LC/UPC SSC=Simplex SC/UPC SFC=Simplex FC/UPC	2= Φ2.0mm 3= Φ3.0mm	1.0=1.0m 1.5=1.5m 2.0=2.0m 2.5=2.5m 3.0=3.0m	PV=PVC LS=LSZH	SM1=G657.A1 SM2=G652D OM2 OM3 OM4 OM5

Example: DLC-DLC-2-1.0-PV-SM1

4. Label(Example)



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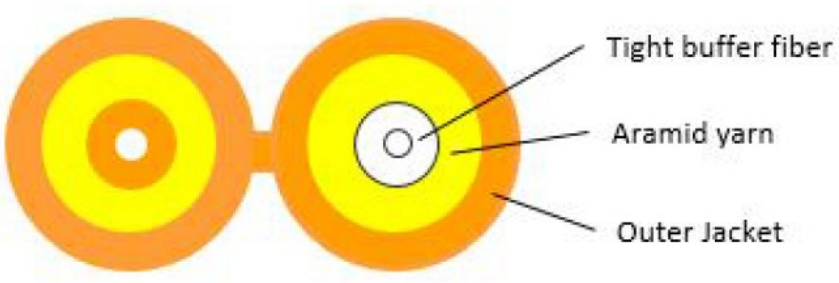
5. Cable Structure



6. RoHS Compliant

※ RoHS's 6ea of harmful substance

No	RoHS's 6ea of harmful substance	Limit ratio (Max)
1	Cadmium (Cd)	100 ppm
2	Mercury (Hg)	1,000 ppm
3	Lead (Pb)	1,000 ppm
4	Polybrominated Biphenyls (PBB)	1,000 ppm
5	Polybrominated Diphenyl Ethers (PBDE)	1,000 ppm
6	Hexavalent Chromium (Cr6+)	1,000 ppm

End of Specifications

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