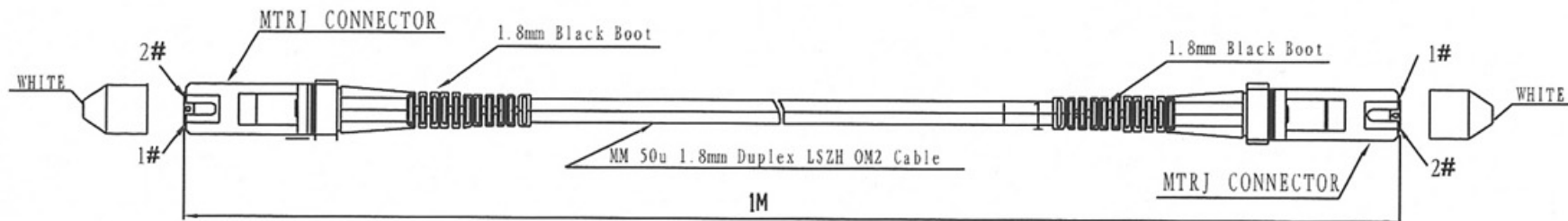


# MM -MTRJ to MTRJ 50u Duplex 1.8mm OM2 LSZH,1M

## MTRJ CONNECTOR



1.

### SPECIFICATIONS

Type	Multi-Mode	Single-Mode
Insertion Loss	<0.5dB	<0.75dB
Return Loss	/	<-40dB
Test Wavelength	850nm	1310nm

Item	Specification
Durability(1000 Mating)	0.2dB Max.Increase
Operating Temperature	-40° c~85° c
Storage Temperature	-40° c~85° c

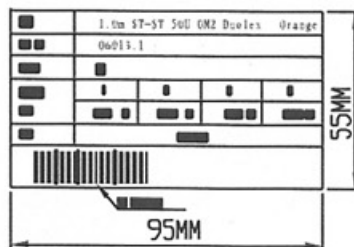
2.


The test shall be performed under the atmosphere specified

- a. Temperature:15 ° C~35° C
- b. Humidity:45 %-75%
- c. Atmospheric pressure:86kpa-106kpa

3. Packing

The corresponding label for each cable assembly shall be glued to the package.



	
Product name: MM MTRJ to MTRJ 50u 1.8mm Duplex LSZH OM2 Cable,1M	
Par No. :	00700.1
Drawing No. :	

## 1 Scope

This specification is provided for the customers who use WCFO MTRJ Fiber Optic Patch cord.

The parameter in this specification only applies to WCFO's MTRJ Fiber Optic Patch cord.

## 2 MTRJ Patch cord Connector and Dimension

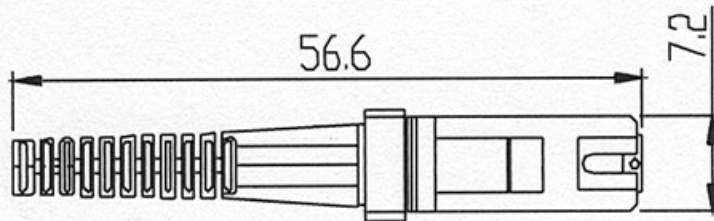


Figure 1 Connector Exterior and Dimension

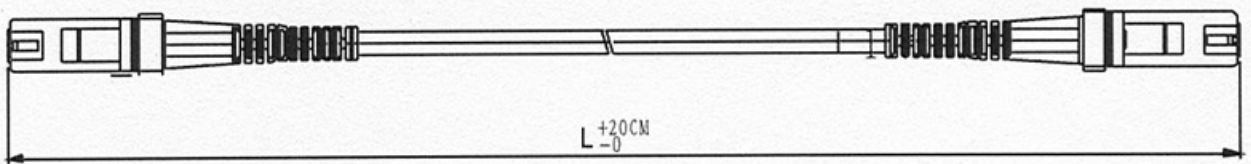


Figure 2 Patch Cord Exterior and Dimension

**Form 1 MTRJ Fiber Optic Patch cord Parts**

NO.	PARTS	COLOR	FROM
1	Ferrule	Black	FUJIKURA
2	Dust Cap	Black	EZCONN
3	Holder	Black	
4	Spring	Argent	
5	Crimp eyelet	Argent	
6	Boo	Black	
7	stopper	Ivory-white	
8	Cable	Yellow(SM)	
		Orange(50/125,62.5/125)	

### 3 Optical parameters

**Form 2 MTRJ Fiber Optic Patch cord Optical Parameter**

Polishing Type	Test wavelength	Insertion Loss(dB)	Return Loss(dB)
PC(MM)	850nm	=0.50	/
UPC(SM)	1310nm	=0.75	=-40

Item	Specification
Durability(1000 Mating)	0.3 dB Max. Increase
Operating Temperature	-40 C ~85 C
Storage Temperature	-40 C ~85 C

### 4 Surface standard

#### 4.1 The damage standard of surface of ferrule

The damage standard of surface of ferrule see WCFO standard, 200 sizes enlarged.

#### 4.2 Dimension standard of the surface of ferrule (Sample Test)

Dimension standard of the surface of ferrule see the following Form 3, Instrument used DORC ZX-1

**Form 3 Dimension standard of the surface of ferrule (PC)**

Measurement Parameter			Pass/Fail Limits	
			Minimum	Maximum
Ferrule	Radius of Curvature	Long	300mm	10000mm
		Short	50mm	10000mm
	Tilt	Long	-0.2deg	0.2deg
		Short	-0.2deg	0.2deg
	Roughness(Rq)		0nm	250nm
	Roughness(Ra)		0nm	250nm
	Dome Height		0nm	1000nm
Fibers	Height		1000nm	3000nm
	CoreDip		-200nm	250nm
	Fiber Roughness (Rq)		0nm	250nm
	Fiber Roughness (Ra)		0nm	250nm

## 5 Test

### 5.1 Test condition

① The test shall be performed under the atmosphere specified:

Temperature: 15℃ -35℃

Humidity: 45%-75%

Atmospheric pressure: 86kpa-106kpa


② The precision of the instrument used in the test should be as prescribed, and which must be with the limit date of measurement.

## 6 Label Package Transport and Storage

### 6.1 Label

#### 6.1.1 Product label

Label the product description, spec., length, P/N and test parameters in the label and label on the box.

Item	L04 MTRJ-MTRJ 50/125 Duplex Orange			
Item No.	MTRJ0-MTRJ-6-ZP-01-01-Y			
Length	1M			
Insertion Loss	A	B	A	B
	0.12 dB	0.15 dB	0.21 dB	0.13 dB
Date	2004.11.08			
 Bar code(128B)				

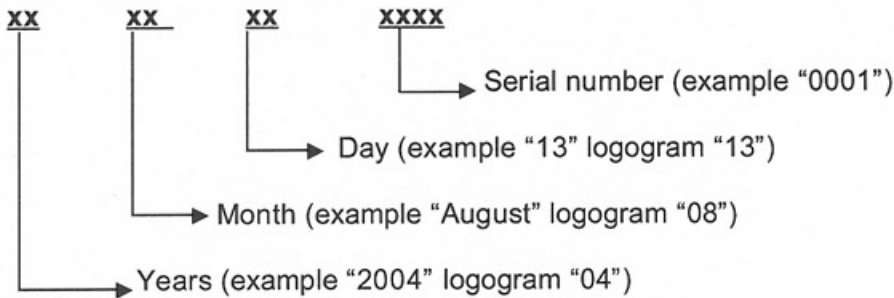
TYPE:MTRJ/PC-MTRJ/PC MM Duplex
50/125 1.6mm 2m
P/N:32-6464-16002
Q'ty: 50 PCS
NO.:0407250001-0407250050

**Label 1. Label on PE Bag**

**Label 2. Label on Box**

Or Customer Provide.

### 6.1.2 Serial number Code



### 6.2 Package

The ferrule of pigtail should be protected by dust cap, roll the pigtail and must ensure the diameter of the roll is less than that of fiber. Put the pigtail into the bag and label the corresponding label.

Put the packaged bag into the box one by one, and use the paster cover the box.

### 6.3 Transport

The products must be packaged in wooden or carton container with the sign of "Don't cast" "Handle with care" "Keep dry" and " To be protected from oil" etc. to avoid damage during long distance transport.

### 6.4 Storage

Refrain storing the products in open air and badly corroded environment or any place beyond working site for ling time.