

1

2

3

4

5

6

 $XM \pm 0.1M$
 $-0.0M$ 75.0cm $\pm$ 3.0cm70.0cm $\pm$ 3.0cm65.0cm $\pm$ 3.0cm60.0cm $\pm$ 3.0cm55.0cm $\pm$ 3.0cm50.0cm $\pm$ 3.0cm

5.0cm

White

A01 B02

White

A03 B04

White

A05 B06

White

A07 B08

White

A09 B10

White

A11 B12

White

A13 B14

White

A15 B16

White

A17 B18

White

A19 B20

White

A21 B22

White

A23 B24

8.0cm $\pm$ 0.5cm
-0.0cm8.0cm $\pm$ 0.5cm
-0.0cm1.0cm $\pm$ 0.3cm1.0cm $\pm$ 0.3cm

Stopper(Red)

Mark(Gray)

Stopper(Black)

Polarity Twist LC Connector(SCALE 1/2)

75.0cm $\pm$ 3.0cm70.0cm $\pm$ 3.0cm65.0cm $\pm$ 3.0cm60.0cm $\pm$ 3.0cm55.0cm $\pm$ 3.0cm50.0cm $\pm$ 3.0cm

5.0cm

White

A02 B01

White

A04 B03

White

A06 B05

White

A08 B07

White

A10 B09

White

A12 B11

White

A14 B13

White

A16 B15

White

A18 B17

White

A20 B19

White

A22 B21

White

A24 B23

" # ": Matching DIM.

" * ": Important DIM.

Others General DIM.

GENERAL TOLERANCE
OF DIMENSIONSX.XXX $\pm$ 0.005
X.XX $\pm$ 0.05
X.X $\pm$ 0.1

DRAWING	08.JUL.2020	YMN
CHECK	08.JUL.2020	DAY
APPROVAL	08.JUL.2020	FRANK

SCALE	1/2 (A4)	UNIT	mm
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DRAWING NO.	24F Prefab OM4 Polarity Twist LC(S01)
DRAWING CLASSIFICATION	S SHEET 1 OF 4

ACT

ITEM NO.: DC55xx

DES.: 24F Prefab OM4 Polarity Twist LC

01

1

2

3

4

5

6

Lengths and colors

Side A				Side B		
Tail length mm	Tail number Marking	Fiber number /colour		Fiber number /colour	Tail number Marking	Tail length mm
500	A01	01 Blue		01 Blue	B01	500
	B02	02 Orange		02 Orange	A02	
500	A03	03 Green		03 Green	B03	500
	B04	04 Brown		04 Brown	A04	
550	A05	05 Gray		05 Gray	B05	550
	B06	06 White		06 White	A06	
550	A07	07 Red		07 Red	B07	550
	B08	08 Black		08 Black	A08	
600	A09	09 Yellow		09 Yellow	B09	600
	B10	10 Violet		10 Violet	A10	
600	A11	11 Pink		11 Pink	B11	600
	B12	12 Aqua		12 Aqua	A12	
650	A13	13 Blue		13 Blue	B13	650
	B14	14 Orange		14 Orange	A14	
650	A15	15 Green		15 Green	B15	650
	B16	16 Brown		16 Brown	A16	
700	A17	17 Gray		17 Gray	B17	700
	B18	18 White		18 White	A18	
700	A19	19 Red		19 Red	B19	700
	B20	20 Black		20 Black	A20	
750	A21	21 Yellow		21 Yellow	B21	750
	B22	22 Violet		22 Violet	A22	
750	A23	23 Pink		23 Pink	B23	750
	B24	24 Aqua		24 Aqua	A24	

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"*": Important DIM.
Others General DIM.

GENERAL TOLERANCE
OF DIMENSIONS

X.XXX ±0.005
X.XX ±0.05
X.X ±0.1

DRAWING		08.JUL.2020		YMN		ACT			
CHECK		08.JUL.2020		DAY					
APPROVAL		08.JUL.2020		FRANK					
		DATE		NAME		ITEM NO.: DC55xx			
SCALE	1/1 (A4)	UNIT	mm		DES.: 24F Prefab OM4 Polarity Twist LC				
		DRAWING NO.		24F Prefab OM4 Polarity Twist LC(S01)					
		DRAWING CLASSIFICATION		S	SHEET	2 OF 4			

1

2

0

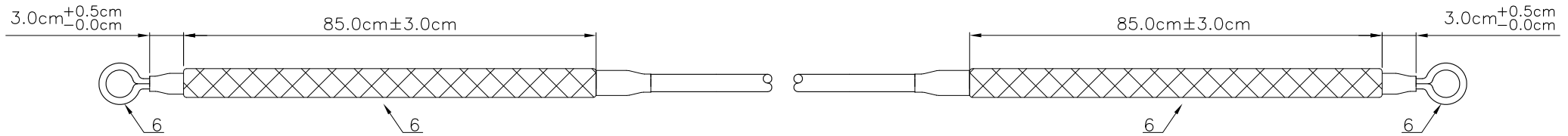
3

4

10cm

5

6



Specification:

Material:

1. 1-1.Polarity Twist LC Connector
- 1-2.Polarity A-B (TX-RX)

Mode	Ferrule	Housing	Turning Stopper	Stopper	Clip	Boot	Tube	Cap
MM Low Loss	Zirconia(Ø1.25mm)	Violet(PC)	Red/Black(PC)	Transparent(PC)	Transparent(PC)	White(TPE)	White(PVC)	White(PE)

2. Cable Type : 24C Ø5.0mm Trunk Cable with Ø3.5mm Round Cable, CPR Cca.

Category	Cable O.D.	Jacket Material	Color
OM4(50/125um)	Ø5.0mm	LSFRZH	Violet

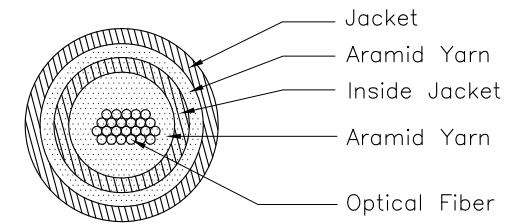
3. Tubing Type : Ø2.0mm Tubing, Violet.
4. Heat Shrink Tubing Length : 8.0cm, Ø1.0cm.
5. Marking Tubing length : 3.0cm
6. Pulling Eye Cable Jacket : Black Color, NYLON Material.

Performance:

- a. Insertion Loss & Return Loss :

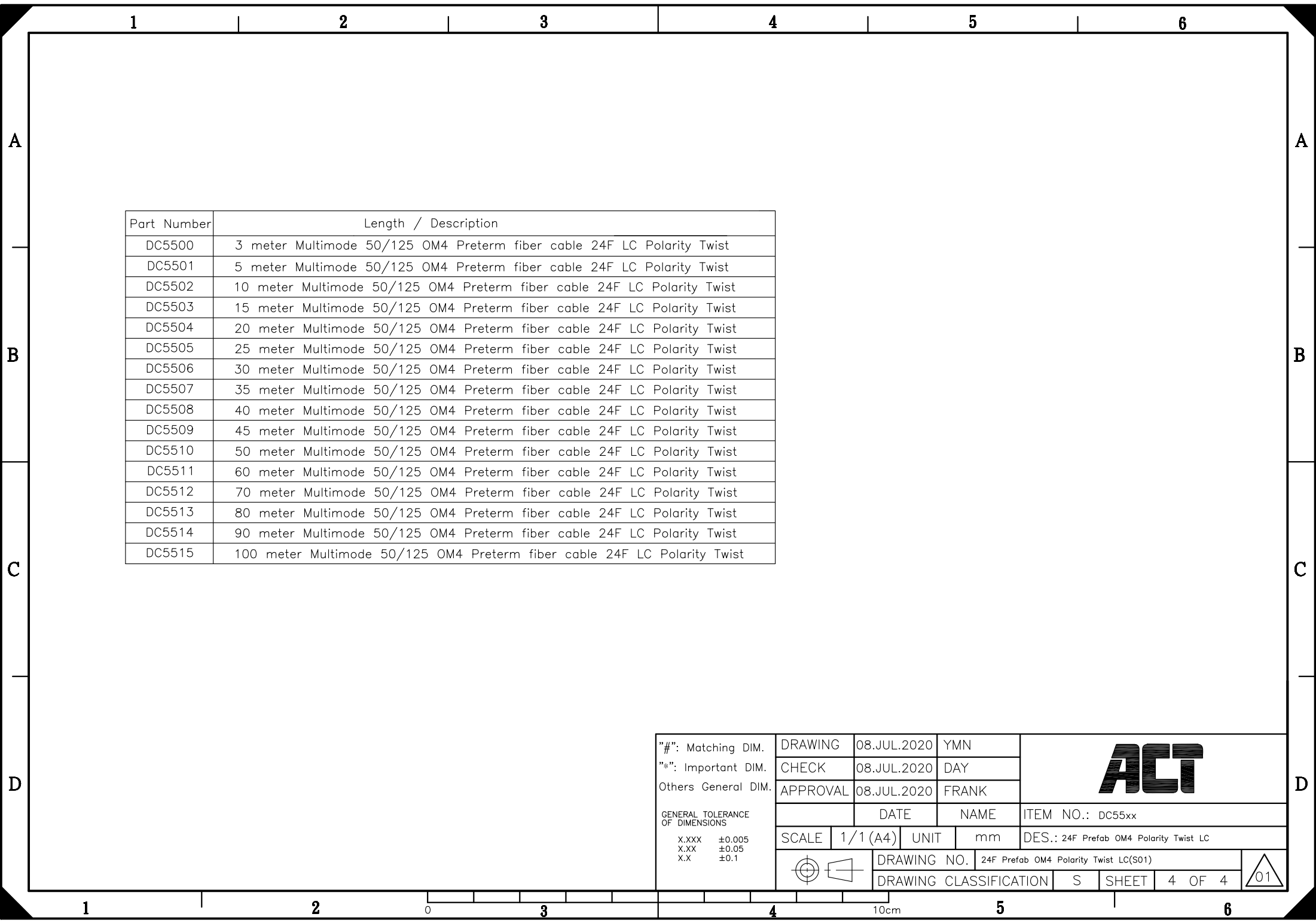
	MM Low Loss
IL(LC)	<0.15 dB
RL(LC)	>45 dB

- b. Insertion Loss will be Increased after 500 mating: 0.2 dB Max
- c. Operating Temperature: -20°C to +70°C
- d. Storage Temperature: -40°C to +80°C

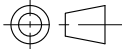


Cable Section (SCALE 5/1)

"#: Matching DIM. *: Important DIM. Others General DIM. GENERAL TOLERANCE OF DIMENSIONS X.XXX ±0.005 X.XX ±0.05 X.X ±0.1	DRAWING		08.JUL.2020		YMN		ACT				
	CHECK		08.JUL.2020		DAY						
	APPROVAL		08.JUL.2020		FRANK						
			DATE		NAME		ITEM NO.: DC55xx				
SCALE		1/1 (A4)		UNIT		mm		DES.: 24F Prefab OM4 Polarity Twist LC			
		DRAWING NO.		24F Prefab OM4 Polarity Twist LC(S01)							
		DRAWING CLASSIFICATION		S		SHEET		3 OF 4			



Part Number	Length / Description
DC5500	3 meter Multimode 50/125 OM4 Preterm fiber cable 24F LC Polarity Twist
DC5501	5 meter Multimode 50/125 OM4 Preterm fiber cable 24F LC Polarity Twist
DC5502	10 meter Multimode 50/125 OM4 Preterm fiber cable 24F LC Polarity Twist
DC5503	15 meter Multimode 50/125 OM4 Preterm fiber cable 24F LC Polarity Twist
DC5504	20 meter Multimode 50/125 OM4 Preterm fiber cable 24F LC Polarity Twist
DC5505	25 meter Multimode 50/125 OM4 Preterm fiber cable 24F LC Polarity Twist
DC5506	30 meter Multimode 50/125 OM4 Preterm fiber cable 24F LC Polarity Twist
DC5507	35 meter Multimode 50/125 OM4 Preterm fiber cable 24F LC Polarity Twist
DC5508	40 meter Multimode 50/125 OM4 Preterm fiber cable 24F LC Polarity Twist
DC5509	45 meter Multimode 50/125 OM4 Preterm fiber cable 24F LC Polarity Twist
DC5510	50 meter Multimode 50/125 OM4 Preterm fiber cable 24F LC Polarity Twist
DC5511	60 meter Multimode 50/125 OM4 Preterm fiber cable 24F LC Polarity Twist
DC5512	70 meter Multimode 50/125 OM4 Preterm fiber cable 24F LC Polarity Twist
DC5513	80 meter Multimode 50/125 OM4 Preterm fiber cable 24F LC Polarity Twist
DC5514	90 meter Multimode 50/125 OM4 Preterm fiber cable 24F LC Polarity Twist
DC5515	100 meter Multimode 50/125 OM4 Preterm fiber cable 24F LC Polarity Twist

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	CHECK	08.JUL.2020	DAY		
	APPROVAL	08.JUL.2020	FRANK		
		DATE	NAME	ITEM NO.: DC55xx	
	SCALE	1/1 (A4)	UNIT	mm	DES.: 24F Prefab OM4 Polarity Twist LC
			DRAWING NO.		24F Prefab OM4 Polarity Twist LC(S01)
	DRAWING CLASSIFICATION		S	SHEET	4 OF 4
					