

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

White

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.

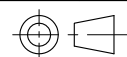
" * ": Important DIM.

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

	DATE	NAME
SCALE	1/2 (A4)	UNIT
	mm	



DRAWING NO. 24F Prefab OS2 Polarity Twist LC(S01)

DRAWING CLASSIFICATION

S

SHEET

1 OF 4

01

ACT

ITEM NO.: DC55xx

DES.: 24F Prefab OS2 Polarity Twist LC

1

2

0

3

4

10cm

5

6

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	

"#": 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 OS2 Polarity Twist LC				
		DRAWING NO.	24F Prefab OS2 Polarity Twist LC(S01)					
		DRAWING CLASSIFICATION	S	SHEET	2 OF 4			

01

1

2

0

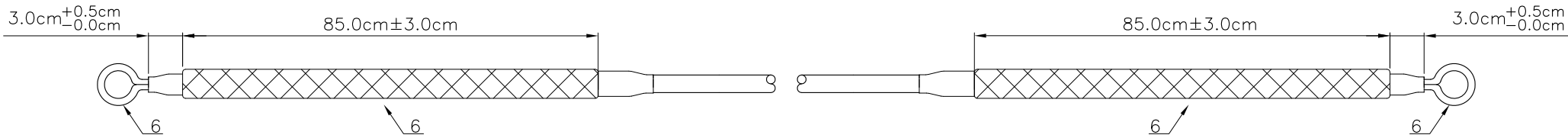
3

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
SM Low Loss	Zirconia(Ø1.25mm)	Blue(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
SM G.657A2(9/125um)	Ø5.0mm	LSFRZH	Yellow

3. Tubing Type : Ø2.0mm Tubing, Yellow.

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:

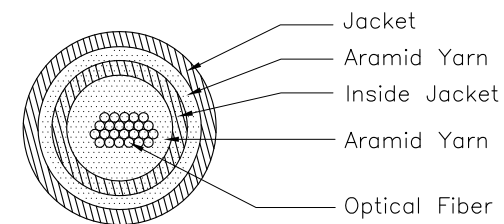
a. Insertion Loss & Return Loss :

	SM Low Loss
IL(LC)	<0.15 dB
RL(LC)	UPC>55 dB

b. Insertion Loss will be Increased after 500 mating: 0.2 dB Max

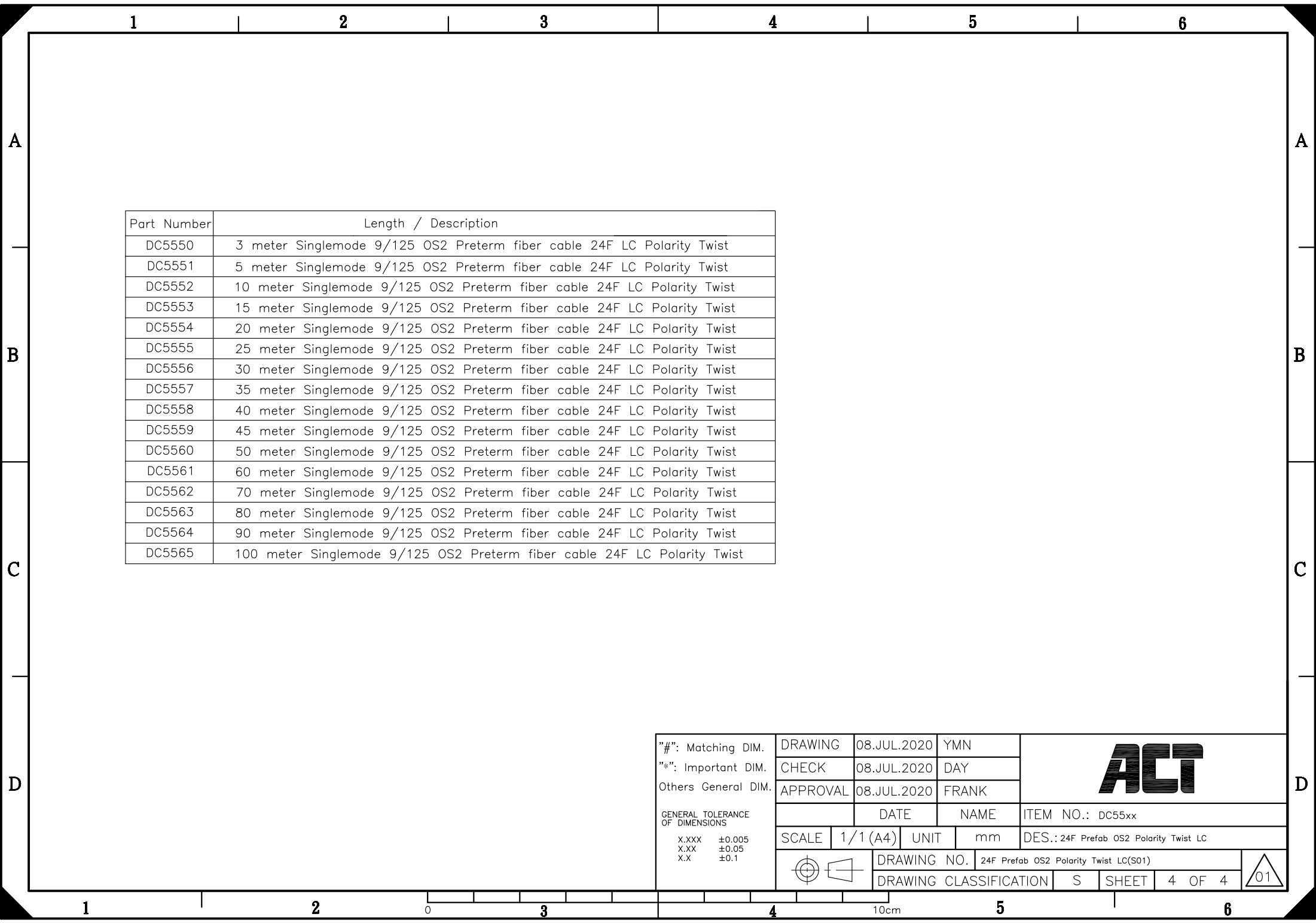
c. Operating Temperature: -20°C to +70°C

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		
	CHECK	08.JUL.2020	DAY		
	APPROVAL	08.JUL.2020	FRANK		
		DATE	NAME	ITEM NO.: DC55xx	
	SCALE	1/1 (A4)	UNIT	mm	DES.: 24F Prefab OS2 Polarity Twist LC
			DRAWING NO. 24F Prefab OS2 Polarity Twist LC(S01)		
			DRAWING CLASSIFICATION	S SHEET 3 OF 4	



Part Number	Length / Description
DC5550	3 meter Singlemode 9/125 OS2 Preterm fiber cable 24F LC Polarity Twist
DC5551	5 meter Singlemode 9/125 OS2 Preterm fiber cable 24F LC Polarity Twist
DC5552	10 meter Singlemode 9/125 OS2 Preterm fiber cable 24F LC Polarity Twist
DC5553	15 meter Singlemode 9/125 OS2 Preterm fiber cable 24F LC Polarity Twist
DC5554	20 meter Singlemode 9/125 OS2 Preterm fiber cable 24F LC Polarity Twist
DC5555	25 meter Singlemode 9/125 OS2 Preterm fiber cable 24F LC Polarity Twist
DC5556	30 meter Singlemode 9/125 OS2 Preterm fiber cable 24F LC Polarity Twist
DC5557	35 meter Singlemode 9/125 OS2 Preterm fiber cable 24F LC Polarity Twist
DC5558	40 meter Singlemode 9/125 OS2 Preterm fiber cable 24F LC Polarity Twist
DC5559	45 meter Singlemode 9/125 OS2 Preterm fiber cable 24F LC Polarity Twist
DC5560	50 meter Singlemode 9/125 OS2 Preterm fiber cable 24F LC Polarity Twist
DC5561	60 meter Singlemode 9/125 OS2 Preterm fiber cable 24F LC Polarity Twist
DC5562	70 meter Singlemode 9/125 OS2 Preterm fiber cable 24F LC Polarity Twist
DC5563	80 meter Singlemode 9/125 OS2 Preterm fiber cable 24F LC Polarity Twist
DC5564	90 meter Singlemode 9/125 OS2 Preterm fiber cable 24F LC Polarity Twist
DC5565	100 meter Singlemode 9/125 OS2 Preterm fiber cable 24F LC Polarity Twist

"##": Matching DIM. "※": Important DIM. Others General DIM.	DRAWING	08.JUL.2020	YMN		
	CHECK	08.JUL.2020	DAY		
	APPROVAL	08.JUL.2020	FRANK		
GENERAL TOLERANCE OF DIMENSIONS X.XXX ±0.005 X.XX ±0.05 X.X ±0.1	DATE		NAME	ITEM NO.: DC55xx	
	SCALE	1/1 (A4)	UNIT	mm	DES.: 24F Prefab OS2 Polarity Twist LC
			DRAWING NO.		24F Prefab OS2 Polarity Twist LC(S01)
			DRAWING CLASSIFICATION		S SHEET 4 OF 4