

1

2

3

4

5

6

$XM \pm 0.1M$
 $-0.0M$

75.0cm \pm 3.0cm

70.0cm \pm 3.0cm

65.0cm \pm 3.0cm

60.0cm \pm 3.0cm

55.0cm \pm 3.0cm

50.0cm \pm 3.0cm

5.0cm

75.0cm \pm 3.0cm

70.0cm \pm 3.0cm

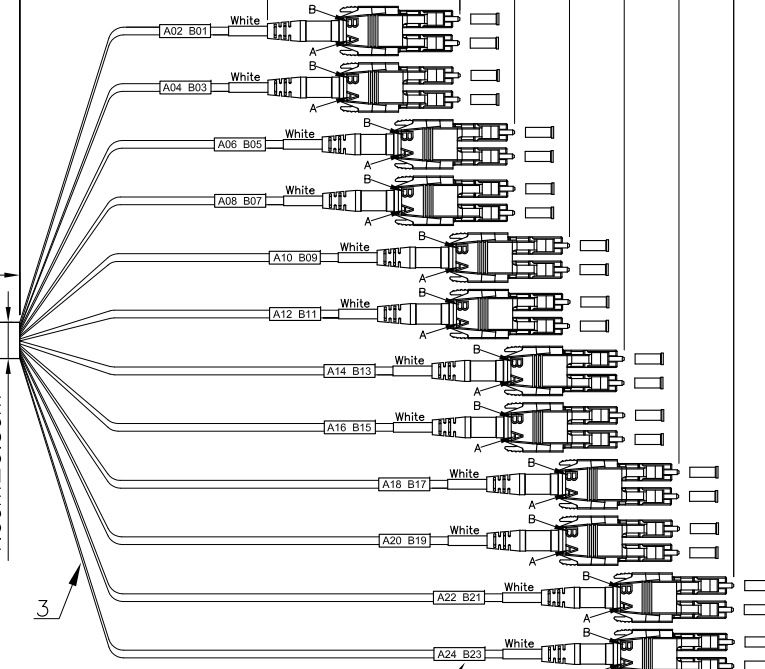
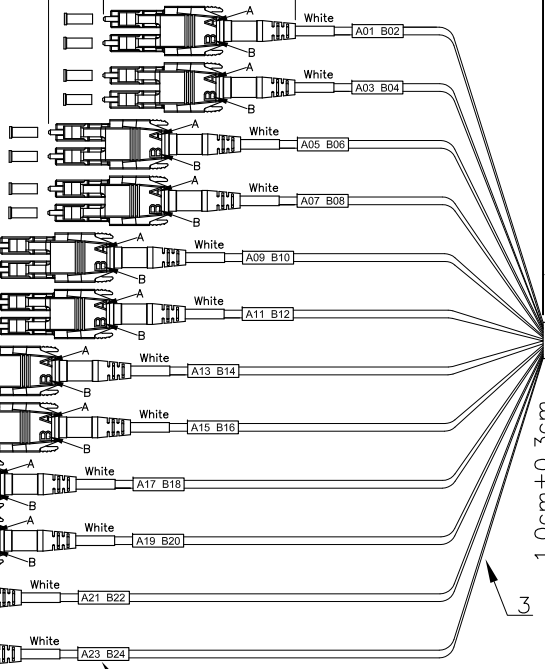
65.0cm \pm 3.0cm

60.0cm \pm 3.0cm

55.0cm \pm 3.0cm

50.0cm \pm 3.0cm

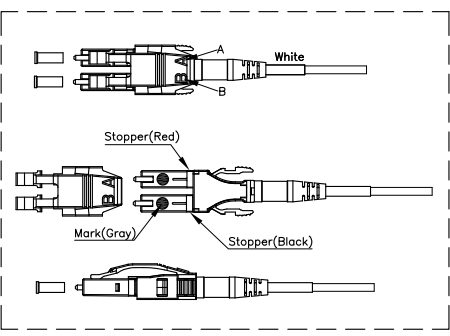
5.0cm



8.0cm \pm 0.5cm
8.0cm \pm 0.5cm

1.0cm \pm 0.3cm

1.0cm \pm 0.3cm



Polarity Twist LC Connector(SCALE 1/2)

"#": Matching DIM. "*": Important DIM. Others General DIM. GENERAL TOLERANCE OF DIMENSIONS X.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	ITEM NO.:	DC55xx
	SCALE	1/2(A4)	UNIT	mm	DES.: 24F Prefab OS2 Polarity Twist LC
	DRAWING NO.		24F Prefab OS2 Polarity Twist LC(S01)		
	DRAWING CLASSIFICATION		S	SHEET 1 OF 4	

1

2

3

4

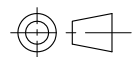
5

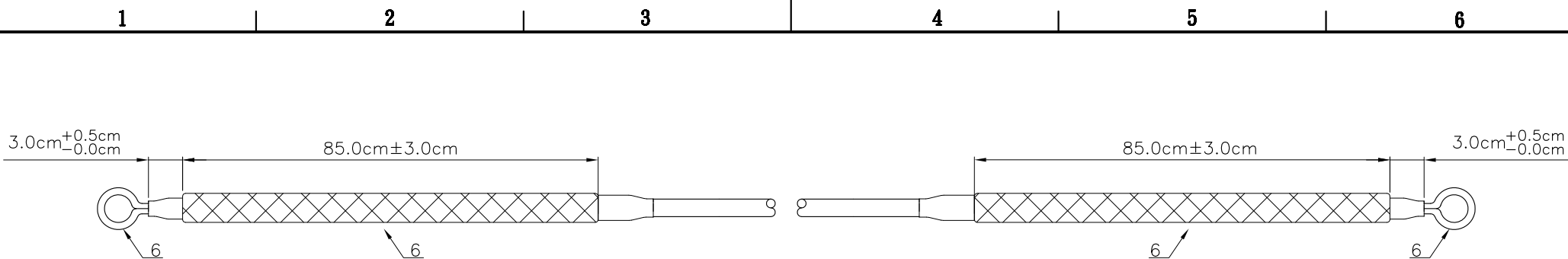
6

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





Specification:

Material:

- 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

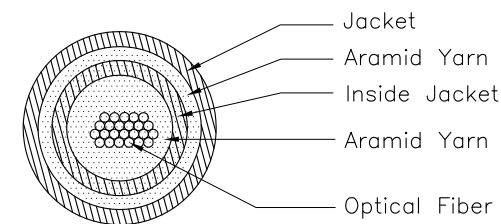
3. Tubing Type : Ø2.0mm Tubing, Yellow.
4. Heat Shrink Tubing Length : 8.0cm, Ø1.0cm.
5. Marking Tubing length : 3.0cm
6. Pulling Eye Cable Jacket : Black Color, NYLON Material.

Performance:

- Insertion Loss & Return Loss :

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

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



Cable Section (SCALE 5/1)

"#" : Matching DIM. "*" : Important DIM. Others General DIM.	DRAWING	08.JUL.2020	YMN	ACT
	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
	DRAWING NO. 24F Prefab OS2 Polarity Twist LC(S01)		DES.: 24F Prefab OS2 Polarity Twist LC	
DRAWING CLASSIFICATION		S	SHEET	3 OF 4
				01

1

2

3

4

5

6

A

A

B

B

C

C

D

D

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. 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
	DRAWING NO.		24F Prefab OS2 Polarity Twist LC(S01)	
	DRAWING CLASSIFICATION		S	SHEET 4 OF 4
				01

1

2

0

3

4

10cm

5

6