

1

2

3

4

5

6

 $\sqrt{4}$
 $X_M \pm 0.1M$
 $0.0M$

A

A

B

B

01 Blue
02 Orange
03 Green
04 Brown
05 Gray
06 White
07 Red
08 Black
09 Yellow
10 Purple
11 Pink
12 Aqua

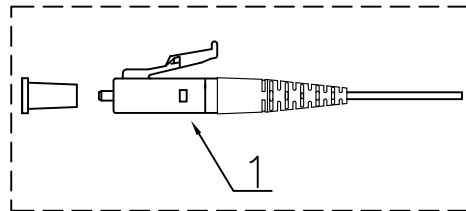
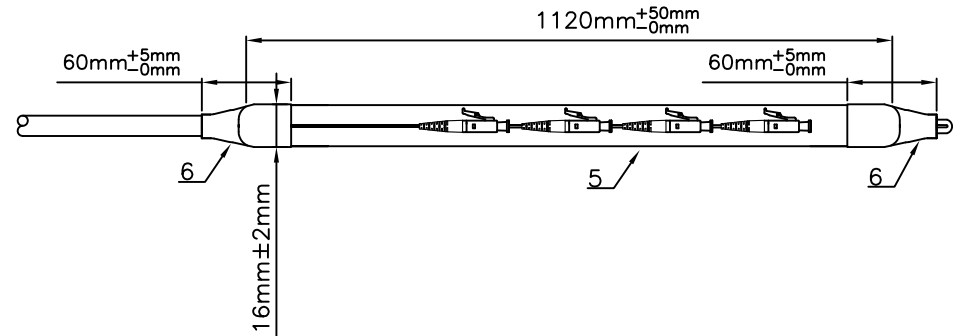
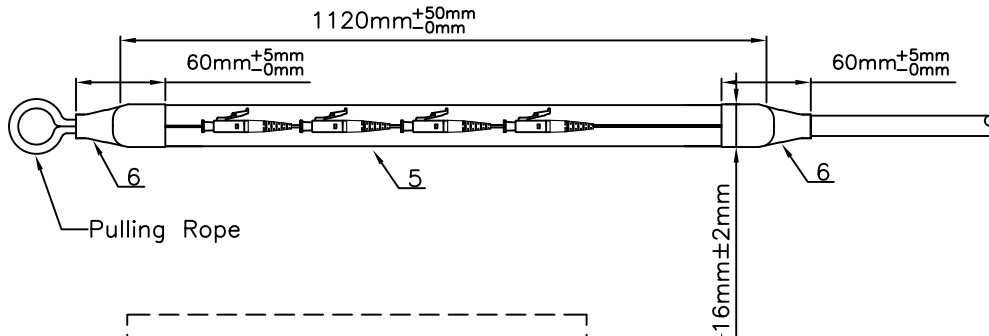
01 Blue
02 Orange
03 Green
04 Brown
05 Gray
06 White
07 Red
08 Black
09 Yellow
10 Purple
11 Pink
12 Aqua

C

C

D

D



LC Connector (SCALE 1/1)

Thickest part of assembly

"#": Matching DIM.
"*": Important DIM.
Others General DIM.

GENERAL TOLERANCE
OF DIMENSIONS

X.XXX ± 0.1
X.XX ± 0.2
X.X ± 0.3

DRAWING	11.MAY.2022	YSL	ACT	
CHECK	11.MAY.2022	DAY		
APPROVAL	11.MAY.2022	FRANK		
DATE		NAME	ITEM NO.:	
SCALE	1/1 (A4)	UNIT	mm	DES.: Indoor&Outdoor Cable 12C SMG657A2 12xLC to 12xLC 900um buffer
		DRAWING NO.	Indoor&Outdoor Cable 12C SMG657A2 12xLC to 12xLC 900um buffer(S07)	
		DRAWING CLASSIFICATION	S	SHEET 1 OF 3

07

1

2

0

3

4

10cm

5

6

Specification:

1. LC Connector :

Mode	Ferrule	Housing	Boot	Cap
SM Low Loss	Zirconia(Ø1.25mm)	Blue(PC)	White(TPV)	White(PE)

2. Cable Type:

- 2-1. 12C Ø7.0mm Indoor/Outdoor Cable with 900um Tight Buffer , UV Resistance.
2-2. Ø0.9mm Jacket for 12 Colors.

Category	Jacket O.D.	Jacket Material	Color
G.657A2(9/125um)	Ø7.0mm	LSZH	Black

3. Heat Shrink Tubing Length : 60mm

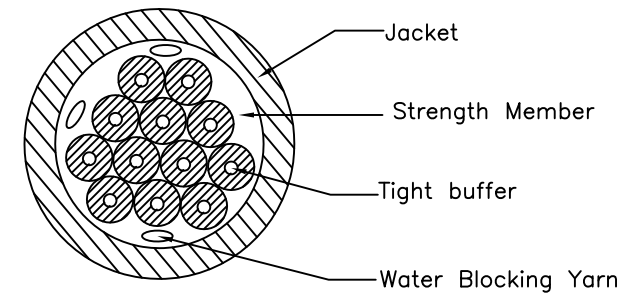
4. Length : x Meter

5. Protective Tube : Transparent, 12x15mm, PVC Material.

6. Heat Shrink Tubing Length : 60mm

Performance:

- a. Insertion Loss : Typical 0.1dB, Max. < 0.15dB
b. Return Loss : UPC>55dB
c. Insertion Loss will be Increased after 500 mating: 0.2 dB Max
d. Operating Temperature: -20°C to +70°C
e. 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 ±0.1 X.XX ±0.2 X.X ±0.3	DRAWING	11.MAY.2022	YSL		
	CHECK	11.MAY.2022	DAY		
	APPROVAL	11.MAY.2022	FRANK		
	DATE		NAME	ITEM NO.:	
SCALE		1/1 (A4)	UNIT	mm	DES.:Indoor&Outdoor Cable 12C SMG657A2 12xLC to 12xLC 900um buffer
		DRAWING NO.		Indoor&Outdoor Cable 12C SMG657A2 12xLC to 12xLC 900um buffer(S07)	
		DRAWING CLASSIFICATION		S	SHEET

Standard compliance:

- IEC 61754-20 Fibre optic connector interfaces – Type LC connector family
- IEC 61300-3-47 Examinations and measurements – End face geometry of PC/APC spherically polished ferrules using interferometry
- IEC 60794-2-20 Indoor cables – Family specification for multi-fibre optical cables
- IEC 60794-1-2 Basic optical cable test procedures
- IEC 60332-1-2 Test for vertical flame propagation for a single insulated wire or cable
- IEC 60754-1 Determination of the halogen acid gas content
- IEC 60754-2 Determination of acidity (by pH measurement) and conductivity
- IEC 61034-2 Measurement of smoke density of cables burning under defined conditions

Cable Pulling Tensile Force Max. 350N.

Acc’y: 2 pieces M20 cable gland, fits cable o.d. 8-14mm

Package:

Bag pack when cable length <=120M

Reel pack when cable length >120M, ref. below table.

12C	Reel Weight	Reel Dimension
120M	1.7KG	H327mm x ϕ 345mm
121-200M	2KG	H327mm x ϕ 400mm
201-250M	2.8KG	H330mm x ϕ 450mm
251M up	3KG	H330mm x ϕ 480mm

"#" : Matching DIM. "*" : Important DIM. Others General DIM. GENERAL TOLERANCE OF DIMENSIONS X.XXX ±0.1 X.XX ±0.2 X.X ±0.3	DRAWING	11.MAY.2022	YSL	ACT	
	CHECK	11.MAY.2022	DAY		
	APPROVAL	11.MAY.2022	FRANK		
		DATE	NAME	ITEM NO.:	
	SCALE	1/1 (A4)	UNIT	mm	DES.:Indoor&Outdoor Cable 12C SMG657A2 12xLC to 12xLC 900um buffer
		DRAWING NO.	Indoor&Outdoor Cable 12C SMG657A2 12xLC to 12xLC 900um buffer(S07)		
		DRAWING CLASSIFICATION	S	SHEET	