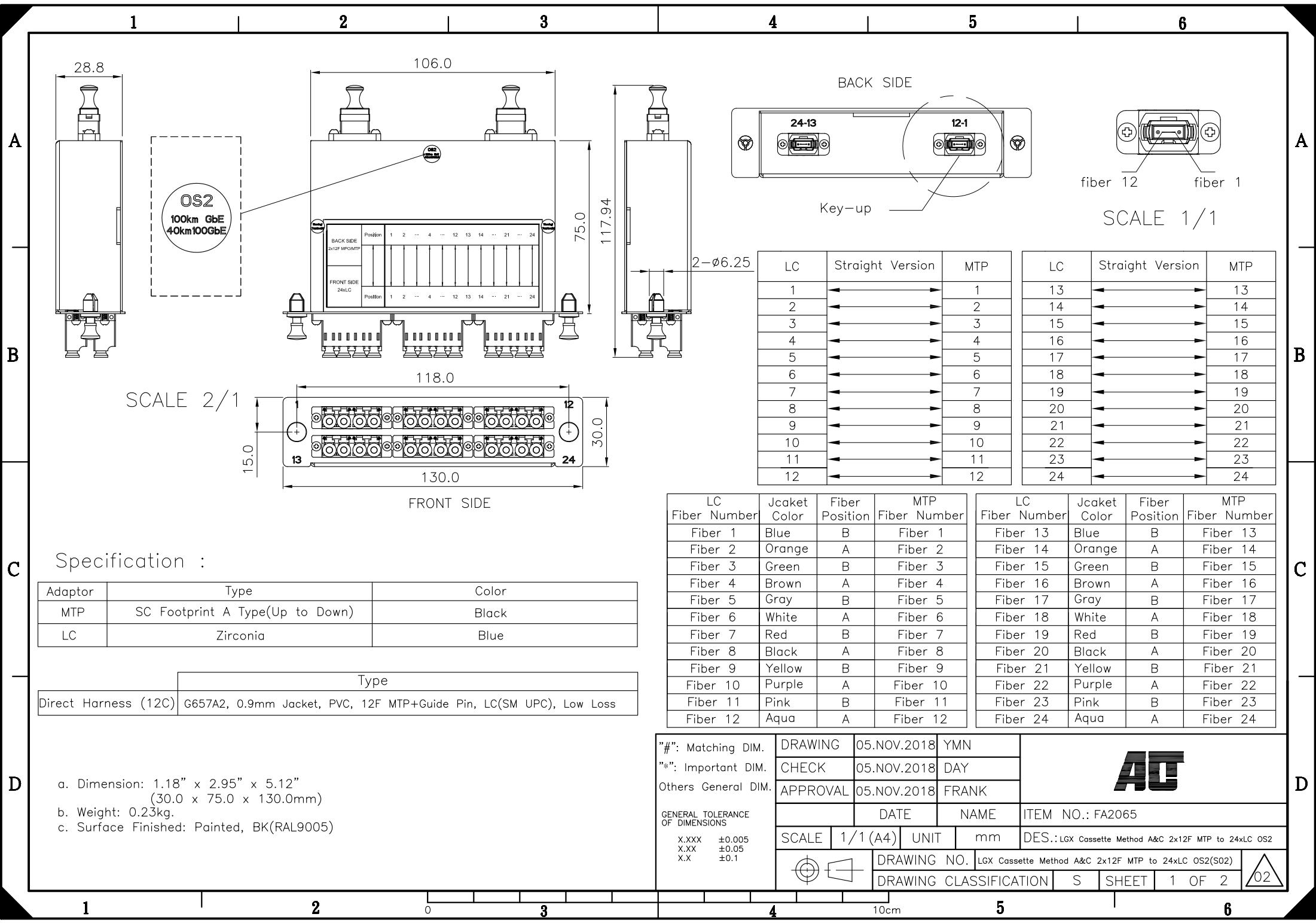




SCALE 2/1

SCALE 1/1

Specification :

Adaptor	Type	Color
MTP	SC Footprint A Type(Up to Down)	Black
LC	Zirconia	Blue

	Type
Direct Harness (12C)	G657A2, 0.9mm Jacket, PVC, 12F MTP+Guide Pin, LC(SM UPC), Low Loss

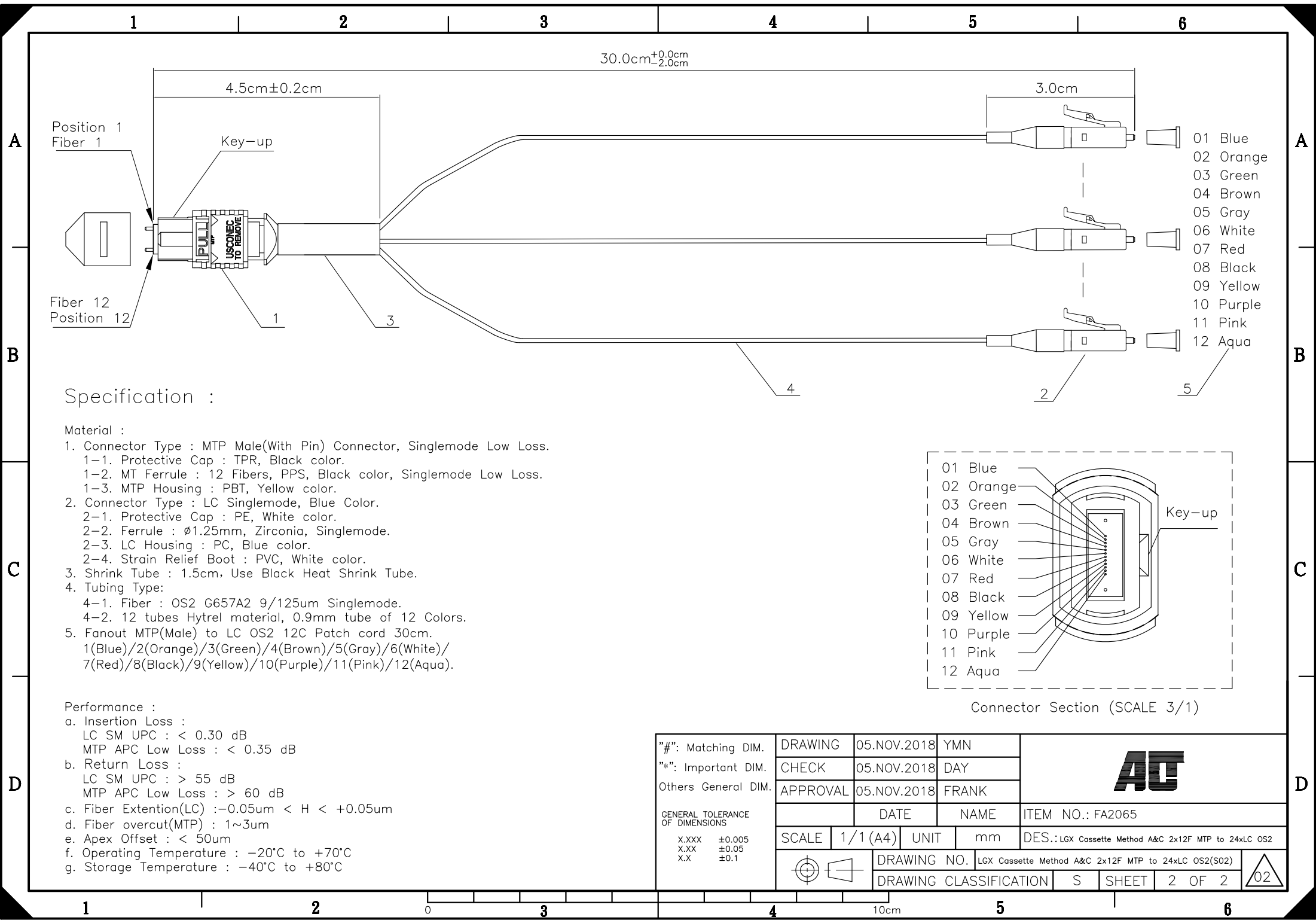
LC Fiber Number	Jacket Color	Fiber Position	MTP Fiber Number	LC Fiber Number	Jacket Color	Fiber Position	MTP Fiber Number
Fiber 1	Blue	B	Fiber 1	Fiber 13	Blue	B	Fiber 13
Fiber 2	Orange	A	Fiber 2	Fiber 14	Orange	A	Fiber 14
Fiber 3	Green	B	Fiber 3	Fiber 15	Green	B	Fiber 15
Fiber 4	Brown	A	Fiber 4	Fiber 16	Brown	A	Fiber 16
Fiber 5	Gray	B	Fiber 5	Fiber 17	Gray	B	Fiber 17
Fiber 6	White	A	Fiber 6	Fiber 18	White	A	Fiber 18
Fiber 7	Red	B	Fiber 7	Fiber 19	Red	B	Fiber 19
Fiber 8	Black	A	Fiber 8	Fiber 20	Black	A	Fiber 20
Fiber 9	Yellow	B	Fiber 9	Fiber 21	Yellow	B	Fiber 21
Fiber 10	Purple	A	Fiber 10	Fiber 22	Purple	A	Fiber 22
Fiber 11	Pink	B	Fiber 11	Fiber 23	Pink	B	Fiber 23
Fiber 12	Aqua	A	Fiber 12	Fiber 24	Aqua	A	Fiber 24

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

GENERAL TOLERANCE OF DIMENSIONS
X.XXX ±0.005
X.XX ±0.05
X.X ±0.1

DRAWING	05.NOV.2018	YMN		
CHECK	05.NOV.2018	DAY		
APPROVAL	05.NOV.2018	FRANK		
DATE		NAME	ITEM NO.: FA2065	
SCALE	1/1 (A4)	UNIT	mm	DES.: LGX Cassette Method A&C 2x12F MTP to 24xLC OS2
DRAWING NO.		LGX Cassette Method A&C 2x12F MTP to 24xLC OS2(S02)		
DRAWING CLASSIFICATION		S	SHEET	1 OF 2

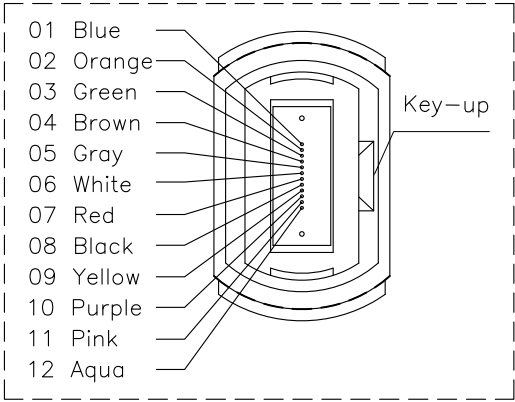




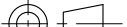
Specification :

- Material :
- 1. Connector Type : MTP Male(With Pin) Connector, Singlemode Low Loss.
 - 1-1. Protective Cap : TPR, Black color.
 - 1-2. MT Ferrule : 12 Fibers, PPS, Black color, Singlemode Low Loss.
 - 1-3. MTP Housing : PBT, Yellow color.
 - 2. Connector Type : LC Singlemode, Blue Color.
 - 2-1. Protective Cap : PE, White color.
 - 2-2. Ferrule : $\phi 1.25\text{mm}$, Zirconia, Singlemode.
 - 2-3. LC Housing : PC, Blue color.
 - 2-4. Strain Relief Boot : PVC, White color.
 - 3. Shrink Tube : 1.5cm. Use Black Heat Shrink Tube.
 - 4. Tubing Type:
 - 4-1. Fiber : OS2 G657A2 9/125um Singlemode.
 - 4-2. 12 tubes Hytel material, 0.9mm tube of 12 Colors.
 - 5. Fanout MTP(Male) to LC OS2 12C Patch cord 30cm.
 - 1(Blue)/2(Orange)/3(Green)/4(Brown)/5(Gray)/6(White)/7(Red)/8(Black)/9(Yellow)/10(Purple)/11(Pink)/12(Aqua).

- Performance :
- a. Insertion Loss :
 - LC SM UPC : $< 0.30\text{ dB}$
 - MTP APC Low Loss : $< 0.35\text{ dB}$
 - b. Return Loss :
 - LC SM UPC : $> 55\text{ dB}$
 - MTP APC Low Loss : $> 60\text{ dB}$
 - c. Fiber Extention(LC) : $-0.05\mu\text{m} < H < +0.05\mu\text{m}$
 - d. Fiber overcut(MTP) : $1\sim 3\mu\text{m}$
 - e. Apex Offset : $< 50\mu\text{m}$
 - f. Operating Temperature : -20°C to $+70^{\circ}\text{C}$
 - g. Storage Temperature : -40°C to $+80^{\circ}\text{C}$



Connector Section (SCALE 3/1)

#": Matching DIM. *": Important DIM. Others General DIM.	DRAWING		05.NOV.2018		YMN								
	CHECK		05.NOV.2018		DAY								
	APPROVAL		05.NOV.2018		FRANK								
GENERAL TOLERANCE OF DIMENSIONS X.XXX ±0.005 X.XX ±0.05 X.X ±0.1			DATE		NAME		ITEM NO.: FA2065						
	SCALE		1/1 (A4)		UNIT		mm		DES.: LGX Cassette Method A&C 2x12F MTP to 24xLC OS2				
			DRAWING NO.		LGX Cassette Method A&C 2x12F MTP to 24xLC OS2(S02)								
			DRAWING CLASSIFICATION			S		SHEET				2 OF 2	