

A

B

C

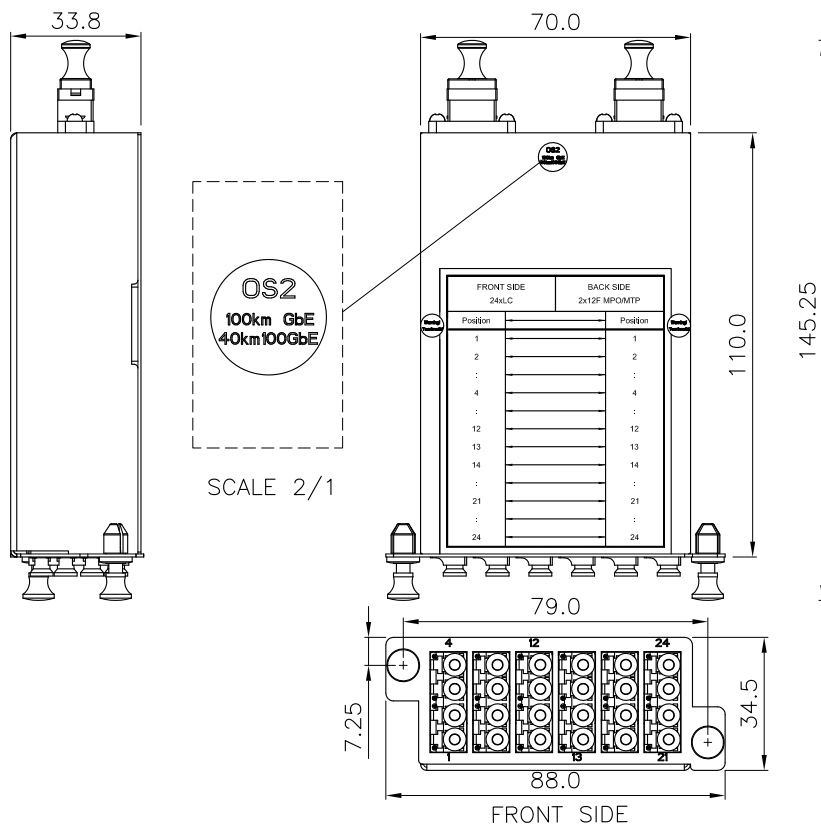
D

A

B

C

D



SCALE 2/1

FRONT SIDE

145.25

7.25

79.0

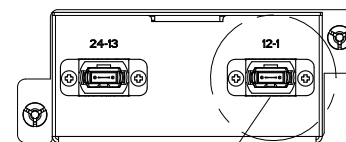
110.0

88.0

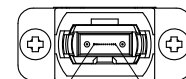
34.5

2-ø6.25

BACK SIDE



Key-up



fiber 12

fiber 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

- a. Dimension: 1.36" x 3.46" x 4.33"
(34.5 x 88.0 x 110.0mm)
- b. Weight: 0.25kg.
- c. Surface Finished: Painted, BK(RAL9005)

LC	Straight Version	MTP
1	←→	1
2	←→	2
3	←→	3
4	←→	4
5	←→	5
6	←→	6
7	←→	7
8	←→	8
9	←→	9
10	←→	10
11	←→	11
12	←→	12

LC	Straight Version	MTP
13	←→	13
14	←→	14
15	←→	15
16	←→	16
17	←→	17
18	←→	18
19	←→	19
20	←→	20
21	←→	21
22	←→	22
23	←→	23
24	←→	24

LC Fiber Number	Jacket Color	Fiber Position	MTP Fiber Number
Fiber 1	Blue	B	Fiber 1
Fiber 2	Orange	A	Fiber 2
Fiber 3	Green	B	Fiber 3
Fiber 4	Brown	A	Fiber 4
Fiber 5	Gray	B	Fiber 5
Fiber 6	White	A	Fiber 6
Fiber 7	Red	B	Fiber 7
Fiber 8	Black	A	Fiber 8
Fiber 9	Yellow	B	Fiber 9
Fiber 10	Purple	A	Fiber 10
Fiber 11	Pink	B	Fiber 11
Fiber 12	Aqua	A	Fiber 12

LC Fiber Number	Jacket Color	Fiber Position	MTP Fiber Number
Fiber 13	Blue	B	Fiber 13
Fiber 14	Orange	A	Fiber 14
Fiber 15	Green	B	Fiber 15
Fiber 16	Brown	A	Fiber 16
Fiber 17	Gray	B	Fiber 17
Fiber 18	White	A	Fiber 18
Fiber 19	Red	B	Fiber 19
Fiber 20	Black	A	Fiber 20
Fiber 21	Yellow	B	Fiber 21
Fiber 22	Purple	A	Fiber 22
Fiber 23	Pink	B	Fiber 23
Fiber 24	Aqua	A	Fiber 24

"##": Matching DIM.

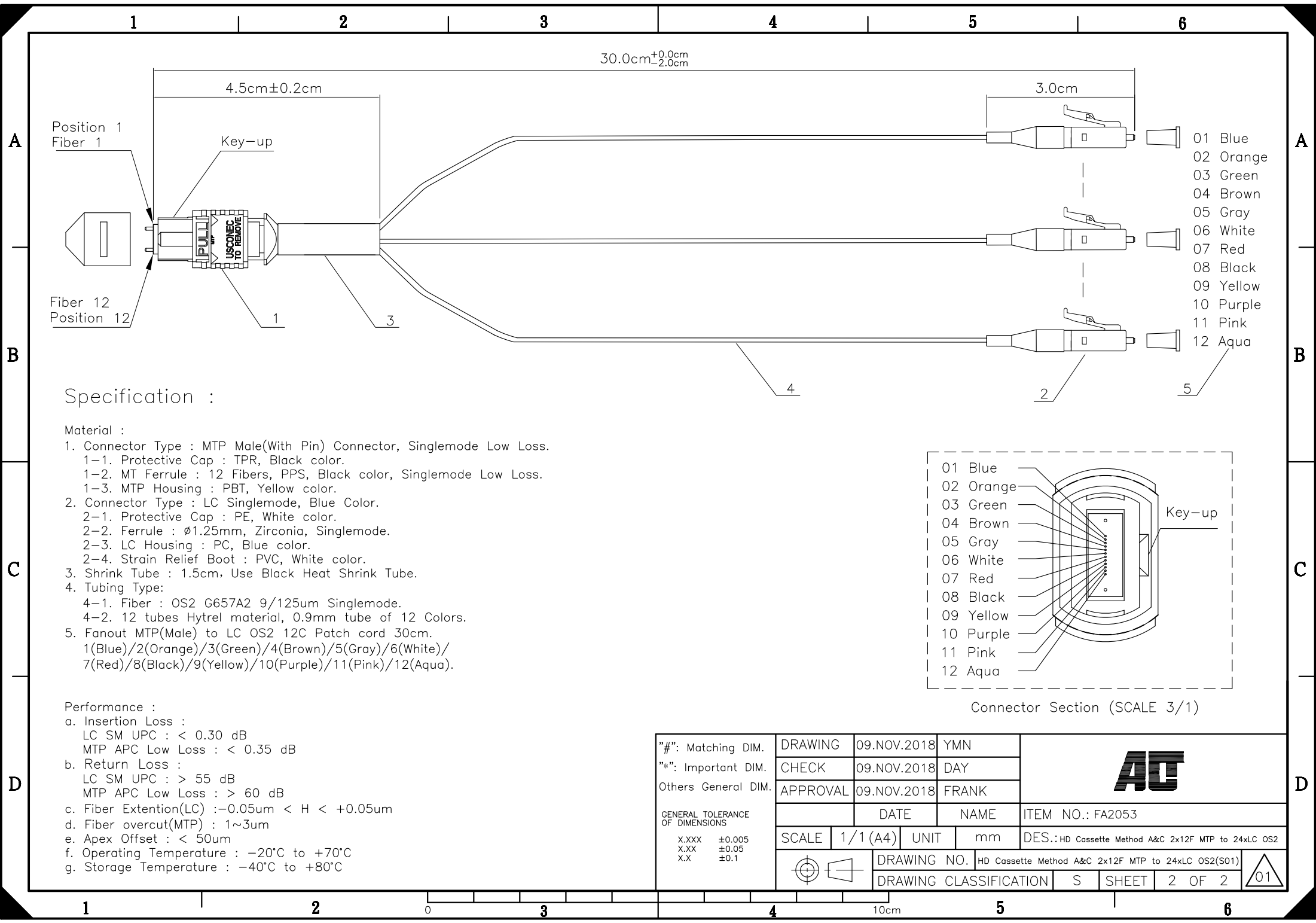
"※": Important DIM.

Others General DIM.

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

DRAWING	09.NOV.2018	YMN	
CHECK	09.NOV.2018	DAY	
APPROVAL	09.NOV.2018	FRANK	
	DATE	NAME	ITEM NO.: FA2053
SCALE	1/1 (A4)	UNIT	mm
			DES.: HD Cassette Method A&C 2x12F MTP to 24xLC OS2(S01)
	DRAWING NO.	HD Cassette Method A&C 2x12F MTP to 24xLC OS2(S01)	
	DRAWING CLASSIFICATION	S	SHEET
		1 OF 2	01

10cm



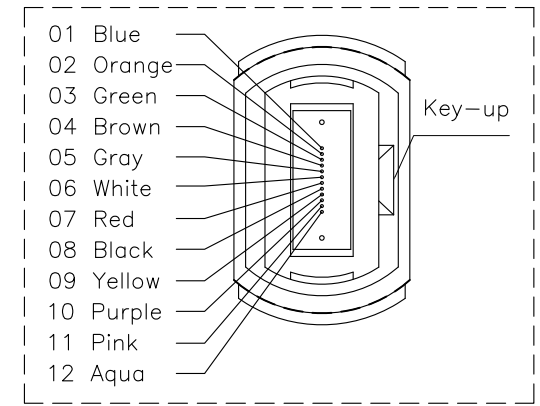
Specification :

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		09.NOV.2018		YMN								
	CHECK		09.NOV.2018		DAY								
	APPROVAL		09.NOV.2018		FRANK								
GENERAL TOLERANCE OF DIMENSIONS X.XXX ±0.005 X.XX ±0.05 X.X ±0.1			DATE		NAME		ITEM NO.: FA2053						
	SCALE		1/1 (A4)		UNIT		mm		DES.: HD Cassette Method A&C 2x12F MTP to 24xLC OS2				
			DRAWING NO.		HD Cassette Method A&C 2x12F MTP to 24xLC OS2(S01)								
			DRAWING CLASSIFICATION				S	SHEET	2 OF 2				