

A

B

C

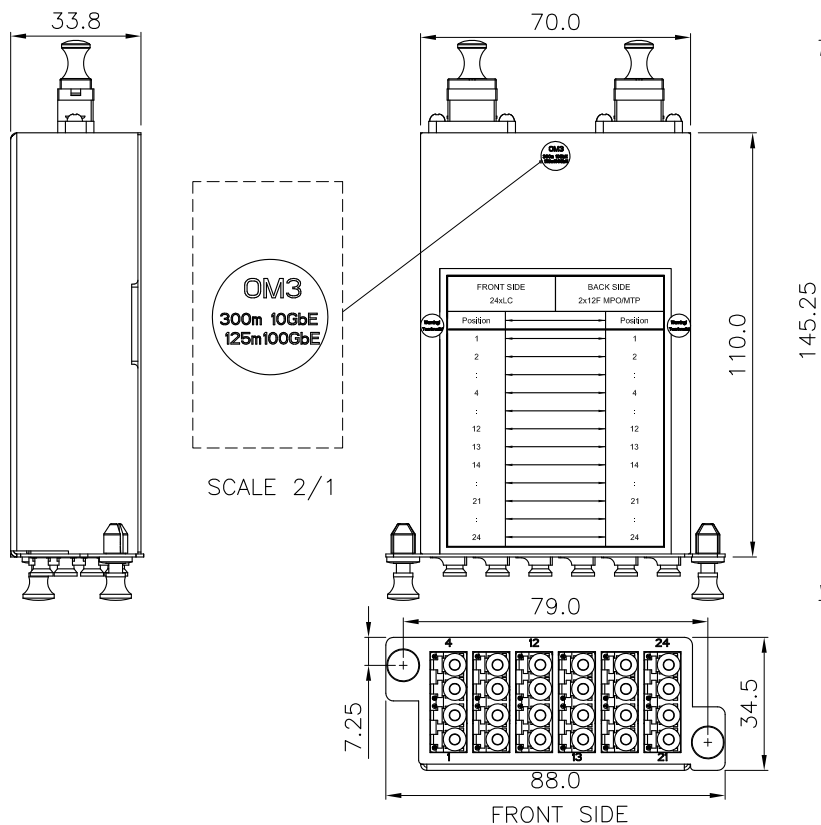
D

A

B

C

D



SCALE 2/1

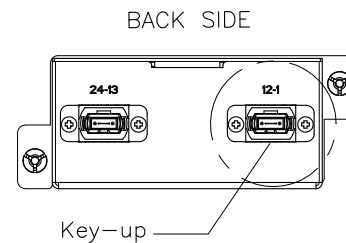
FRONT SIDE

Specification :

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

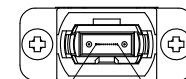
	Type
Direct Harness (12C)	OM3, 0.9mm Jacket, PVC, 12F MTP+Guide Pin, LC(MM), Low Loss

- 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)



BACK SIDE

Key-up



fiber 12 fiber 1

SCALE 1/1

LC	Straight Version	MTP	LC	Straight Version	MTP
1	←→	1	13	←→	13
2	←→	2	14	←→	14
3	←→	3	15	←→	15
4	←→	4	16	←→	16
5	←→	5	17	←→	17
6	←→	6	18	←→	18
7	←→	7	19	←→	19
8	←→	8	20	←→	20
9	←→	9	21	←→	21
10	←→	10	22	←→	22
11	←→	11	23	←→	23
12	←→	12	24	←→	24

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.

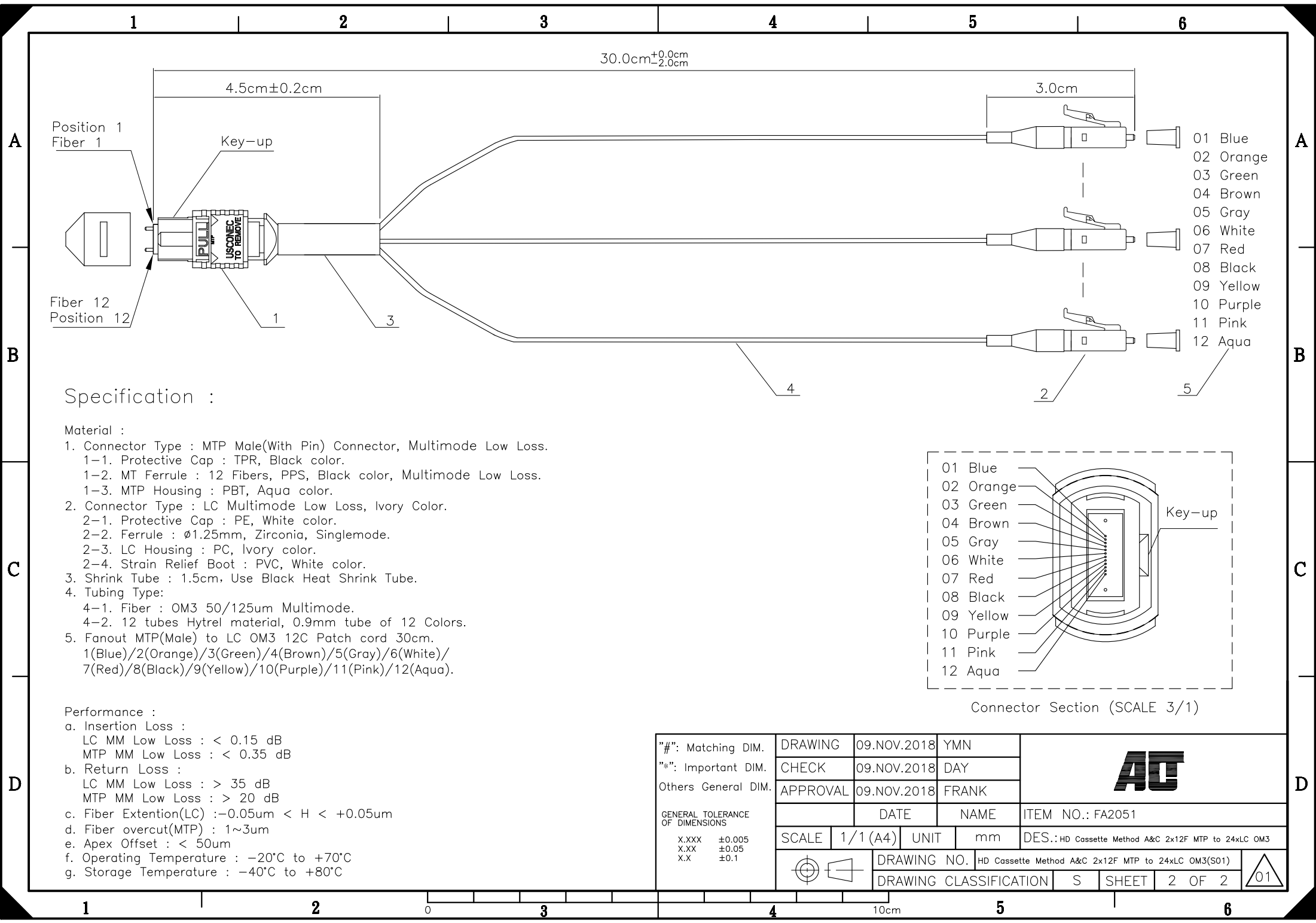
"※": Important DIM.

Others General DIM.

GENERAL TOLERANCE
OF 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.: FA2051			
SCALE	1/1 (A4)	UNIT	mm	DES.: HD Cassette Method A&C 2x12F MTP to 24xLC OM3			
		DRAWING NO.		HD Cassette Method A&C 2x12F MTP to 24xLC OM3(S01)			
		DRAWING CLASSIFICATION		S	SHEET		1 OF 2

10cm



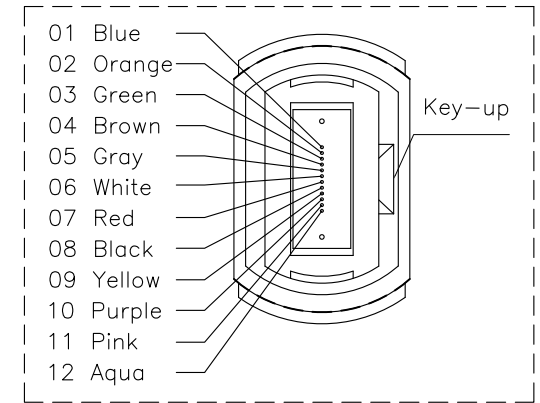
Specification :

Material :

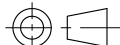
- Connector Type : MTP Male(With Pin) Connector, Multimode Low Loss.
1-1. Protective Cap : TPR, Black color.
1-2. MT Ferrule : 12 Fibers, PPS, Black color, Multimode Low Loss.
1-3. MTP Housing : PBT, Aqua color.
- Connector Type : LC Multimode Low Loss, Ivory Color.
2-1. Protective Cap : PE, White color.
2-2. Ferrule : $\varnothing 1.25\text{mm}$, Zirconia, Singlemode.
2-3. LC Housing : PC, Ivory color.
2-4. Strain Relief Boot : PVC, White color.
- Shrink Tube : 1.5cm, Use Black Heat Shrink Tube.
- Tubing Type:
4-1. Fiber : OM3 50/125um Multimode.
4-2. 12 tubes Hytrel material, 0.9mm tube of 12 Colors.
- Fanout MTP(Male) to LC OM3 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 :

- Insertion Loss :
LC MM Low Loss : $< 0.15\text{ dB}$
MTP MM Low Loss : $< 0.35\text{ dB}$
- Return Loss :
LC MM Low Loss : $> 35\text{ dB}$
MTP MM Low Loss : $> 20\text{ dB}$
- Fiber Extention(LC) : $-0.05\mu\text{m} < H < +0.05\mu\text{m}$
- Fiber overcut(MTP) : $1\sim 3\mu\text{m}$
- Apex Offset : $< 50\mu\text{m}$
- Operating Temperature : -20°C to $+70^{\circ}\text{C}$
- 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.: FA2051		
	SCALE	1/1 (A4)	UNIT	mm	DES.: HD Cassette Method A&C 2x12F MTP to 24xLC OM3		
		DRAWING NO.		HD Cassette Method A&C 2x12F MTP to 24xLC OM3(S01)			
		DRAWING CLASSIFICATION		S	SHEET	2 OF 2	