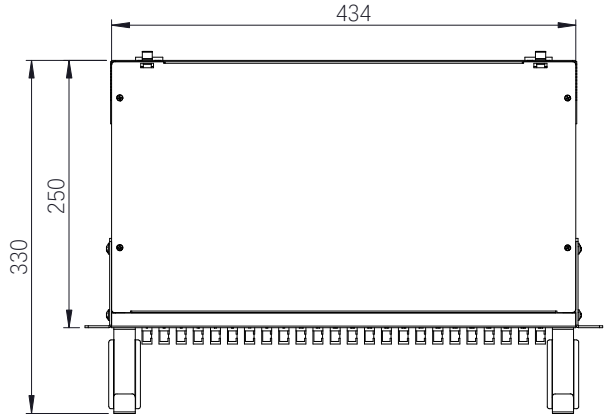
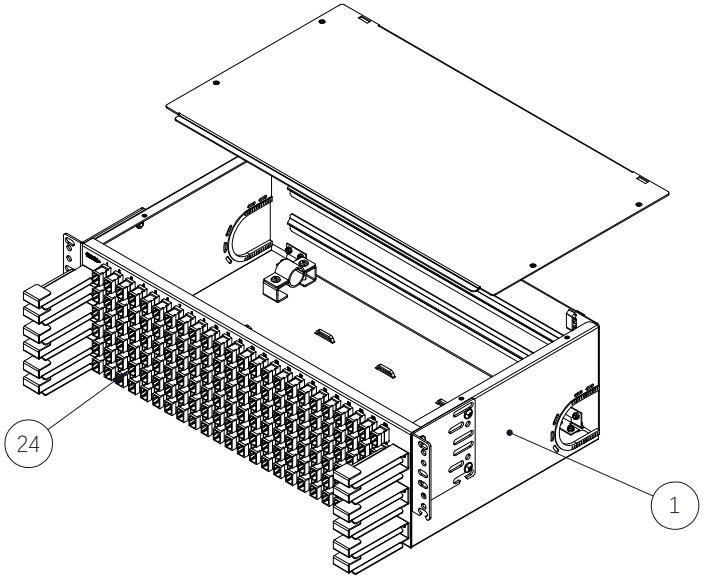
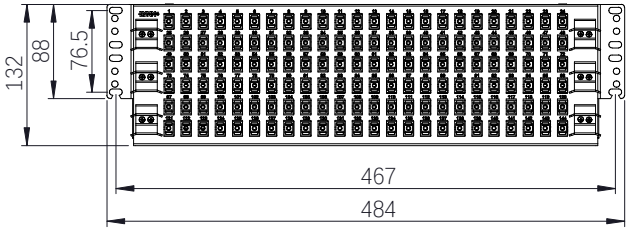


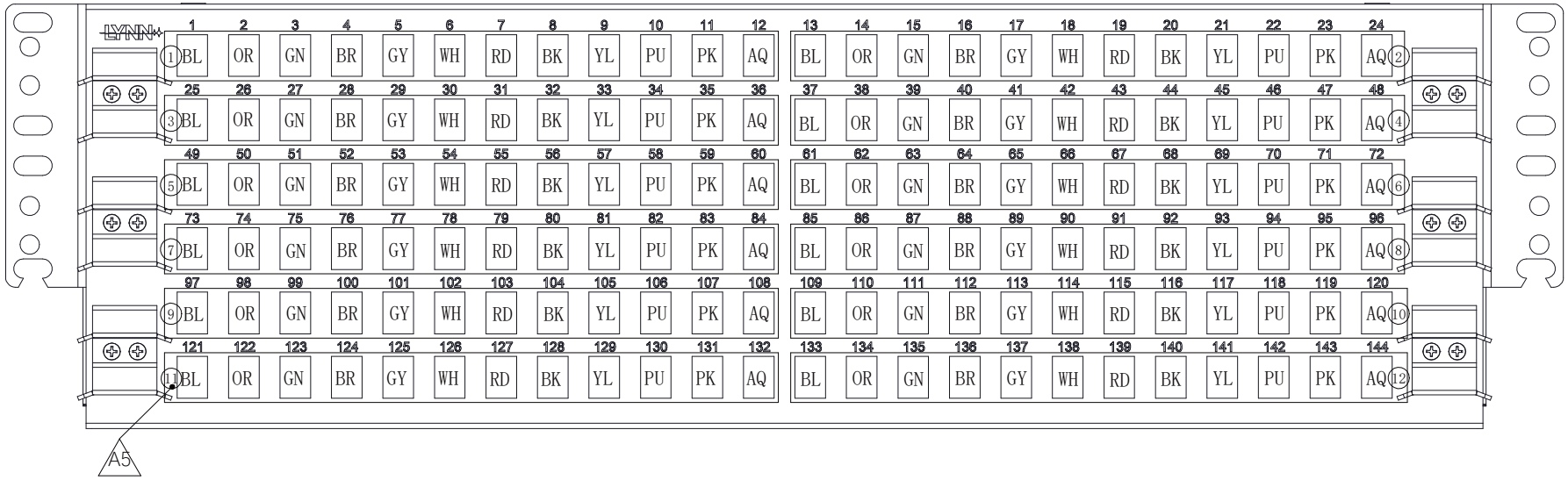






NOTE:
1.Material:SPCC;
2.Finish:Black Powder Coat.

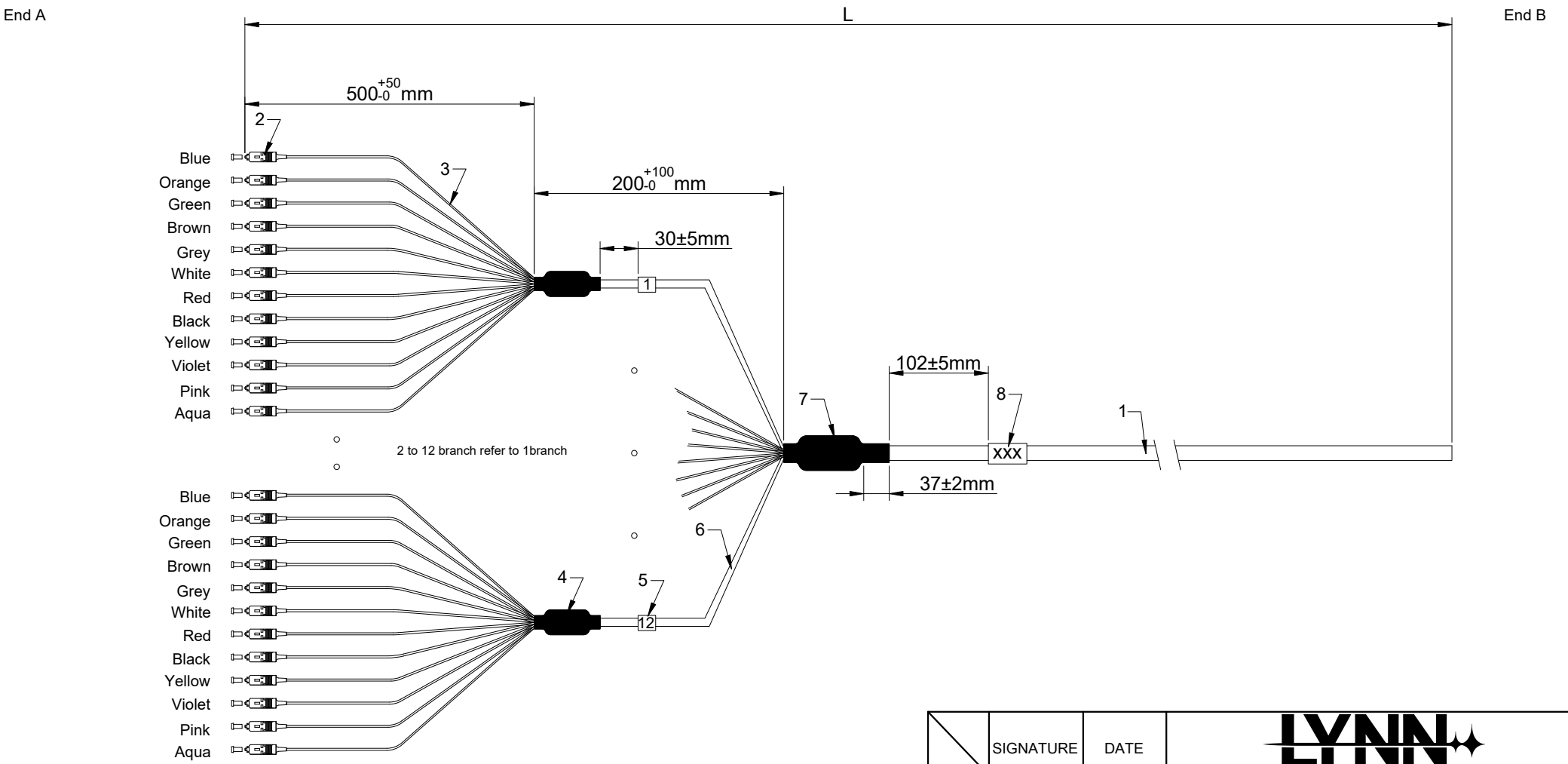
	SIGNATURE	DATE	LYNN					
DRAWN	T. Hodson	2026-11-06	MAT'L	/	FINISH		WEIGHT	
CHK'D	J. Farrell	2026-11-06	UNITS	mm	PRODUCT NAME	Fiber Patch Panel Assembly		
PROCESS	C. Branden	2026-11-06	SCALE		DRAWING NO.	FRD-SCA1-144RD-SO-xxxF		
APPV'D	C. Hoskins	2026-11-06	TYPE OF PROJECTION			SHEET 2 OF 2	REV	A5



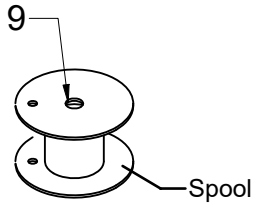
	SIGNATURE	DATE	LYNN				
DRAWN	T. Hodson	2026-11-06	MAT'L	/	FINISH		WEIGHT
CHK'D	J. Farrell	2026-11-06	UNITS	mm	PRODUCT NAME	Fiber Patch Panel Assembly	
PROCESS	C. Branden	2026-11-06	SCALE		DRAWING NO.	FRD-SCA1-144RD-SO-xxxF	
APPV'D	C. Hoskins	2026-11-06	TYPE OF PROJECTION		SHEET 2 OF 2	REV	A5

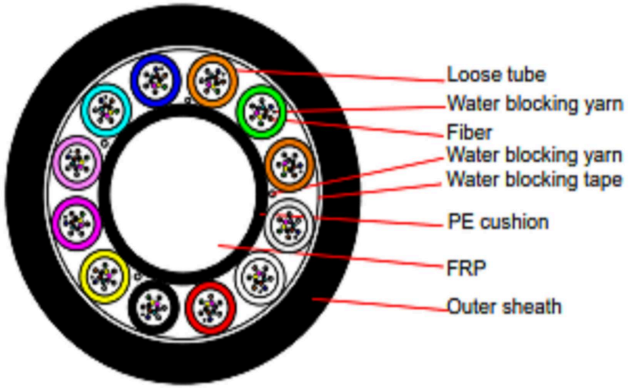
L(m)	Tolerance(mm)
L<1	+50
1≤L<15	+100
15≤L<30	+150
L≥30	+400

Technical specification	
Insertion loss(dB)	≤0.20
Return loss(dB)	≥60
Wavelength(nm)	1310&1550



	SIGNATURE	DATE				
DRAWN	T. Hodson	2026/11/09	MAT'L		CUSTOMER NO.	FRD-SCA1-144RD-SO-xxxF
CHK'D	J. Farrell	2026/11/09	UNITS	mm	PRODUCT NAME	Pigtail SC/APC 144F SM GYFY
PROCESS	C. Branden	2026/11/09	SCALE		DRAWING NO.	
APPV'D	C. Hoskins	2026/11/09	TYPE OF PROJECTION		SHEET 1 OF 7	REV A1





ITEM	P/N	SPECIFICATION	QTY	U/M
9		Spool	1	EA
8		Cable Label	1	EA
7		Fanout kit	1	EA
6		OD: 3.0mm, Simplex LSZH Black Tube	A/R	EA
5		Cable Maker	12	EA
4		Fanout Kit	12	m
3		OD: 0.9mm, Simplex,12 Colors ,Hytrel tube	A/R	m
2		SC/APC SM Simplex 0.9mm Connector(Green Housing Green Boot)	144	EA
1		OD:16.4mm,Singlemode 9/125,G657A1,144F Round Cable GYFY,HDPE,Color:Black	A/R	m

	SIGNATURE	DATE				
DRAWN	T. Hodson	2026/11/09	MAT'L		CUSTOMER NO.	FRD-SCA1-144RD-SO-xxxF
CHK'D	J. Farrell	2026/11/09	UNITS	mm	PRODUCT NAME	Pigtail SC/APC 144F SM GYFY
PROCESS	C. Branden	2026/11/09	SCALE		DRAWING NO.	
APPV'D	C. Hoskins	2026/11/09	TYPE OF PROJECTION		SHEET 2 OF 7	REV A1

Color table						
END A					END B	
PBT Loose tube color	fiber color&2.0Furcation Tube color	3.0 Furcation Tube color	Cable Marker		PBT Loose tube color	fiber color
Blue	Blue	Black	1		Blue	Blue
	Orange					Orange
	Green					Green
	Brown					Brown
	Grey					Grey
	White					White
	Red					Red
	Black					Black
	Yellow					Yellow
	Violet					Violet
	Pink					Pink
	Aqua					Aqua
Orange	Blue	Black	2		Orange	Blue
	Orange					Orange
	Green					Green
	Brown					Brown
	Grey					Grey
	White					White
	Red					Red
	Black					Black
	Yellow					Yellow
	Violet					Violet
	Pink					Pink
	Aqua					Aqua
Green	Blue	Black	3		Green	Blue
	Orange					Orange
	Green					Green
	Brown					Brown
	Grey					Grey
	White					White
	Red					Red
	Black					Black
	Yellow					Yellow
	Violet					Violet
	Pink					Pink
	Aqua					Aqua
Brown	Blue	Black	4		Brown	Blue
	Orange					Orange
	Green					Green
	Brown					Brown
	Grey					Grey
	White					White
	Red					Red
	Black					Black
	Yellow					Yellow
	Violet					Violet
	Pink					Pink
	Aqua					Aqua

	SIGNATURE	DATE				
DRAWN	T. Hodson	2026/11/09	MAT'L		CUSTOMER NO.	FRD-SCA1-144RD-SO-xxxF
CHK'D	J. Farrell	2026/11/09	UNITS	mm	PRODUCT NAME	Pigtail SC/APC 144F SM GYFY
PROCESS	C. Branden	2026/11/09	SCALE		DRAWING NO.	
APPV'D	C. Hoskins	2026/11/09	TYPE OF PROJECTION		SHEET 3 OF 7	REV A1

Color table						
END A					END B	
PBT Loose tube color	fiber color&2.0Furcation Tube color	3.0 Furcation Tube color	Cable Marker		PBT Loose tube color	fiber color
Grey	Blue	Black	5		Grey	Blue
	Orange					Orange
	Green					Green
	Brown					Brown
	Grey					Grey
	White					White
	Red					Red
	Black					Black
	Yellow					Yellow
	Violet					Violet
	Pink					Pink
	Aqua					Aqua
White	Blue	Black	6		White	Blue
	Orange					Orange
	Green					Green
	Brown					Brown
	Grey					Grey
	White					White
	Red					Red
	Black					Black
	Yellow					Yellow
	Violet					Violet
	Pink					Pink
	Aqua					Aqua
Red	Blue	Black	7		Red	Blue
	Orange					Orange
	Green					Green
	Brown					Brown
	Grey					Grey
	White					White
	Red					Red
	Black					Black
	Yellow					Yellow
	Violet					Violet
	Pink					Pink
	Aqua					Aqua
Black	Blue	Black	8		Black	Blue
	Orange					Orange
	Green					Green
	Brown					Brown
	Grey					Grey
	White					White
	Red					Red
	Black					Black
	Yellow					Yellow
	Violet					Violet
	Pink					Pink
	Aqua					Aqua

	SIGNATURE	DATE	LYNN			
DRAWN	T. Hodson	2026/11/09	MAT'L		CUSTOMER NO.	FRD-SCA1-144RD-SO-xxxF
CHK'D	J. Farrell	2026/11/09	UNITS	mm	PRODUCT NAME	Pigtail SC/APC 144F SM GYFY
PROCESS	C. Branden	2026/11/09	SCALE		DRAWING NO.	
APPV'D	C. Hoskins	2026/11/09	TYPE OF PROJECTION		SHEET 4 OF 7	REV A1

Color table						
END A					END B	
PBT Loose tube color	fiber color&2.0Furcation Tube color	3.0 Furcation Tube color	Cable Marker		PBT Loose tube color	fiber color
Yellow	Blue	Black	9		Yellow	Blue
	Orange					Orange
	Green					Green
	Brown					Brown
	Grey					Grey
	White					White
	Red					Red
	Black					Black
	Yellow					Yellow
	Violet					Violet
	Pink					Pink
	Aqua					Aqua
Violet	Blue	Black	10		Violet	Blue
	Orange					Orange
	Green					Green
	Brown					Brown
	Grey					Grey
	White					White
	Red					Red
	Black					Black
	Yellow					Yellow
	Violet					Violet
	Pink					Pink
	Aqua					Aqua
Pink	Blue	Black	11		Pink	Blue
	Orange					Orange
	Green					Green
	Brown					Brown
	Grey					Grey
	White					White
	Red					Red
	Black					Black
	Yellow					Yellow
	Violet					Violet
	Pink					Pink
	Aqua					Aqua
Aqua	Blue	Black	12		Aqua	Blue
	Orange					Orange
	Green					Green
	Brown					Brown
	Grey					Grey
	White					White
	Red					Red
	Black					Black
	Yellow					Yellow
	Violet					Violet
	Pink					Pink
	Aqua					Aqua

	SIGNATURE	DATE	LYNN			
DRAWN	T. Hodson	2026/11/09	MAT'L		CUSTOMER NO.	FRD-SCA1-144RD-SO-xxxF
CHK'D	J. Farrell	2026/11/09	UNITS	mm	PRODUCT NAME	Pigtail SC/APC 144F SM GYFY
PROCESS	C. Branden	2026/11/09	SCALE		DRAWING NO.	
APPV'D	C. Hoskins	2026/11/09	TYPE OF PROJECTION		SHEET 5 OF 7	REV A1