

ALCT–AFEB Cable Production and Delivery for EMU CSC Anode Front-End

Chamber Cable Sets ¹

Chamber Type	FAST Site	Plan	Produced	Sent to FAST Sites	FNAL
		cable sets			
ME234/2	UCLA/UF	150	150	150	0
ME2/1	PNPI	38	39 ²	39 ²	0
ME3/1	PNPI	38	38	38	0
ME4/1	PNPI	38	38	38	0
ME1/2	IHEP	74	74	74	0
ME1/3	IHEP	74	74	74	0
Total [cable sets]		412	413	413	0

- 1) One cable set contains all cables for one chamber.
 2) One set for the test stand at UF

Additional Cable Sets

FAST Site	CERN	PNPI	IHEP	UCLA	UF	Total
Chamber Type	number of the sets					
ME1/2			1		1	2
ME1/3			1			1
ME2/1	1			1		2
ME3/1	2					2
ME4/1	1	1			1	3
Total	4	1	2	1	2	10

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Spare Cables

FAST Site	UF/UCLA	FNAL	CERN	PNPI	IHEP	Total
Cable type	number of the cables					
MC-400073	0	0	3	0	3	6
MC-400074	0	0	12	0	12	24
MC-400075	3	0	23	24	3	53
MC-400076	3	0	9	18	9	39
MC-400077	0	0	1	14	6	21
MC-400078	3	0	7	0	3	13
MC-400079	3	0	8	0	0	11
MC-400080	3	0	6	0	0	9
MC-400081	3	0	7	0	0	10
MC-400082	3	0	7	0	0	10
MC-400083	3	0	7	0	0	10
MC-400098	0	0	1	14	0	15
Total	24	0	91	70	36	221

ALCT–AFEB Cable Distribution for EMU CSC Anode Front-End

spec #	Pitch	Polarization	ME234/2	ME2/1	ME3/1	ME4/1	ME1/2	ME1/3
MC-400073	3	LH					3	
MC-400074	3	RH					6	6
MC-400075	4	LH	3	12	12	18	3	
MC-400076	4	RH	3	12	12	9	6	3
MC-400077	5	RH		9	6	5	6	
MC-400078	6	LH	3					
MC-400079	6	RH	3					3
MC-400080	9	LH	3					
MC-400081	9	RH	3					
MC-400082	11	LH	3					
MC-400083	11	RH	3					
MC-400098	5	LH		9	6	4		
Number of cables for 1 set			24	42	36	36	24	12
Cable sets			150	38	38	38	74	74
Number of cables			3600	1596	1368	1368	1776	888
							Total sets	412
							Total cables	10596

ALCT–AFEB Spare Cables for EMU CSC Anode Front-End

ME234/2			ME2/1, ME3/1, ME4,1		ME1/2, ME1/3	Other	
UF/UCLA	CERN	CERN	PNPI	PNPI	IHEP	CERN	CERN
1	2	3	1	2	1	1	2
number of the cables							
					3		3
					12	1	11
3	3	3	12	12	3	1	16
3	3	1	9	9	9	1	4
			7	7	6	1	
3	3	4			3		
3	3	4				1	
3	3	2				1	
3	3	3				1	
3	3	3				1	
3	3	3				1	
			7	7		1	
24	24	23	35	35	36	10	34