

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

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## Chamber Cable Sets <sup>1</sup>

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 <sup>2</sup>	39 <sup>2</sup>	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
<b>Total [cable sets]</b>		<b>412</b>	<b>413</b>	<b>413</b>	<b>0</b>

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

## Spare Cables

FAST Site	UF/UCLA	FNAL	CERN	PNPI	IHEP	Total
<b>Cable type</b>	<b>number of the cables</b>					
MC-400073	0	3	0	0	3	6
MC-400074	0	11	1	0	12	24
MC-400075	3	22	1	24	3	53
MC-400076	3	8	1	18	9	39
MC-400077	0	0	1	14	6	21
MC-400078	3	7	0	0	3	13
MC-400079	3	7	1	0	0	11
MC-400080	3	5	1	0	0	9
MC-400081	3	6	1	0	0	10
MC-400082	3	6	1	0	0	10
MC-400083	3	6	1	0	0	10
MC-400098	0	0	1	14	0	15
<b>Total</b>	<b>24</b>	<b>81</b>	<b>10</b>	<b>70</b>	<b>36</b>	<b>221</b>

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

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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		
<b>Number of cables for 1 set</b>			<b>24</b>	<b>42</b>	<b>36</b>	<b>36</b>	<b>24</b>	<b>12</b>
<b>Cable sets</b>			<b>150</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>74</b>	<b>74</b>
<b>Number of cables</b>			<b>3600</b>	<b>1596</b>	<b>1368</b>	<b>1368</b>	<b>1776</b>	<b>888</b>
							<b>Total sets</b>	<b>412</b>
							<b>Total cables</b>	<b>10596</b>

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

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Chamber Type	ME234/2			ME2/1, ME3/1, ME4/1		ME1/2, ME1/3	Other	
	UF	FNAL	FNAL	PNPI	PNPI	IHEP	CERN	FNAL
Box #	1	2	3	1	2	1	1	2
	number of the cables							
MC-400073						3		3
MC-400074						12	1	11
MC-400075	3	3	3	12	12	3	1	16
MC-400076	3	3	1	9	9	9	1	4
MC-400077				7	7	6	1	
MC-400078	3	3	4			3		
MC-400079	3	3	4				1	
MC-400080	3	3	2				1	
MC-400081	3	3	3				1	
MC-400082	3	3	3				1	
MC-400083	3	3	3				1	
MC-400098				7	7		1	
<b>Total</b>	<b>24</b>	<b>24</b>	<b>23</b>	<b>35</b>	<b>35</b>	<b>36</b>	<b>10</b>	<b>34</b>
<b>Total Number</b>								<b>221</b>