triplet out-cable length	MAX length in mm						
in wheel	PSpack U1	PSpack U2	PSpack U3	PSpack U-DAQ			
constant	300	300	300	300			
cross	590	590	590	590			
radial	1470	2679	3969	4569			
to gallery	section 6	section 5	section 4	section 3	section2	section 1	
arc	5590	3109	3941	655	2095	0	
bridge	4572	4572	2967	2967	2967	291	
down in gallery	2727	2727	2727	2727	2727	2727	
horizontal in gallery	790	790	790	790	790	790	
total(mm)	13679	11198	10425	7139	8579	3808	
in section (1/24)	section 6	section 5	section 4	section 3	section2	section 1	
length mm to DAQ	18248	15767	14994	11708	13148	8377	
length mm to PSU3	17648	15167	14394	11108	12548	7777	
length mm to PSU2	16358	13877	13104	9818	11258	6487	
length mm to PSU1	15149	12668	11895	8609	10049	5278	whole triple
A pair of LV cables							total / whee
total length (mm)x2	134806	114958	108774	82486	94006	55838	2363472
total weight (kg)	42.28	36.05	34.11	25.87	29.48	17.51	741.18
cross section of LV	35						
density (kg/m^3)	8.96						