

Labelling and location of SSD cables installed on the cones

1 Labelling :

On the two cones 22 groups of cables are laid :

- 10 groups of 3 cables : 1 power cable, 1 sense cable and 1 HV cable
- 10 groups of 2 cables : 1 power cable, 1 sense cable
- 2 groups of 1 cable : 1 signal cable

- 10 groups of cables of the 20 are equipped with 1 air hose

The following tables describes what composes each group of cables and corresponding the label. The power, sense and HV cable are linked together on the same connector at the large end of the cone, this is why only one label is defined.

1.2 West cone :

Group of cable	Composition	Label at the big end	Label at the small end
Group 1	2 cables	SSD W1	SSD_PWR_W1 SSD_SEN_W1
	1 air hose	SSD_AIR_W1	SSD_AIR_W1
Group 2	2 cables	SSD W2	SSD_PWR_W2 SSD_SEN_W2
	1 air hose	SSD_AIR_W2	SSD_AIR_W2
Group 3	2 cables	SSD W3	SSD_PWR_W3 SSD_SEN_W3
	1 air hose	SSD_AIR_W3	SSD_AIR_W3
Group 4	2 cables	SSD W4	SSD_PWR_W4 SSD_SEN_W4
	1 air hose	SSD_AIR_W4	SSD_AIR_W4
Group 5	2 cables	SSD W5	SSD_PWR_W5 SSD_SEN_W5
	1 air hose	SSD_AIR_W5	SSD_AIR_W5
Group 6	2 cables	SSD W6	SSD_PWR_W6 SSD_SEN_W6
	1 air hose	SSD_AIR_W6	SSD_AIR_W6
Group 7	2 cables	SSD W7	SSD_PWR_W7 SSD_SEN_W7
	1 air hose	SSD_AIR_W7	SSD_AIR_W7
Group 8	2 cables	SSD W8	SSD_PWR_W8 SSD_SEN_W8
	1 air hose	SSD_AIR_W8	SSD_AIR_W8
Group 9	2 cables	SSD W9	SSD_PWR_W9 SSD_SEN_W9
	1 air hose	SSD_AIR_W9	SSD_AIR_W9
Group 10	2 cables	SSD W10	SSD_PWR_W10 SSD_SEN_W10
	1 air hose	SSD_AIR_W10	SSD_AIR_W10

Group of cable	Composition	Label at the big end	Label at the small end
Group 11	3 cables	SSD W11	SSD_PWR_W11 SSD_SEN_W11 SSD_HV_W11
	1 air hose	SSD_AIR_W11	SSD_AIR_W11
Group 12	3 cables	SSD W12	SSD_PWR_W12 SSD_SEN_W12 SSD_HV_W12
	1 air hose	SSD_AIR_W12	SSD_AIR_W12
Group 13	3 cables	SSD W13	SSD_PWR_W13 SSD_SEN_W13 SSD_HV_W13
	1 air hose	SSD_AIR_W13	SSD_AIR_W13
Group 14	3 cables	SSD W14	SSD_PWR_W14 SSD_SEN_W14 SSD_HV_W14
	1 air hose	SSD_AIR_W14	SSD_AIR_W14
Group 15	3 cables	SSD W15	SSD_PWR_W15 SSD_SEN_W15 SSD_HV_W15
	1 air hose	SSD_AIR_W15	SSD_AIR_W15
Group 16	3 cables	SSD W16	SSD_PWR_W16 SSD_SEN_W16 SSD_HV_W16
	1 air hose	SSD_AIR_W16	SSD_AIR_W16
Group 17	3 cables	SSD W17	SSD_PWR_W17 SSD_SEN_W17 SSD_HV_W17
	1 air hose	SSD_AIR_W17	SSD_AIR_W17
Group 18	3 cables	SSD W18	SSD_PWR_W18 SSD_SEN_W18 SSD_HV_W18
	1 air hose	SSD_AIR_W18	SSD_AIR_W18
Group 19	3 cables	SSD W19	SSD_PWR_W19 SSD_SEN_W19 SSD_HV_W19
	1 air hose	SSD_AIR_W19	SSD_AIR_W19
Group 20	3 cables	SSD W20	SSD_PWR_W20 SSD_SEN_W20 SSD_HV_W20
	1 air hose	SSD_AIR_W20	SSD_AIR_W20
Group 21	1 cable	SSD_SIG_W1	SSD_SIG_W1
Group 22	1 cable	SSD_SIG_W2	SSD_SIG_W2

1.2 East cone :

Group of cable	Composition	Label at the big end	Label at the small end
Group 1	3 cables	SSD E1	SSD_PWR_E1 SSD_SEN_E1 SSD_HV-E1
Group 2	3 cables	SSD E2	SSD_PWR_E2 SSD_SEN_E2 SSD_HV_E2
	1 air hose	SSD_AIR_E2	SSD_AIR_E2
Group 3	3 cables	SSD E3	SSD_PWR_E3 SSD_SEN_E3 SSD_HV_E3
Group 4	3 cables	SSD E4	SSD_PWR_E4 SSD_SEN_E4 SSD_HV_E4
	1 air hose	SSD_AIR_E4	SSD_AIR_E4
Group 5	3 cables	SSD E5	SSD_PWR_E5 SSD_SEN_E5 SSD_HV_E5
Group 6	3 cables	SSD E6	SSD_PWR_E6 SSD_SEN_E6 SSD_HV_E6
	1 air hose	SSD_AIR_E6	SSD_AIR_E6
Group 7	3 cables	SSD E7	SSD_PWR_E7 SSD_SEN_E7 SSD_HV_E7
Group 8	3 cables	SSD E8	SSD_PWR_E8 SSD_SEN_E8 SSD_HV_E8
	1 air hose	SSD_AIR_E8	SSD_AIR_E8
Group 9	3 cables	SSD E9	SSD_PWR_E9 SSD_SEN_E9 SSD_HV_E9
Group 10	3 cables	SSD E10	SSD_PWR_E10 SSD_SEN_E10 SSD_HV_E10
	1 air hose	SSD_AIR_E10	SSD_AIR_E10

Group of cable	Composition	Label at the big end	Label at the small end
Group 11	2 cables	SSD E11	SSD_PWR_E11 SSD_SEN_E11
Group 12	2 cables	SSD E12	SSD_PWR_E12 SSD_SEN_E12
	1 air hose	SSD_AIR_E12	SSD_AIR_E12
Group 13	2 cables	SSD E13	SSD_PWR_E13 SSD_SEN_E13
Group 14	2 cables	SSD E14	SSD_PWR_E14 SSD_SEN_E14
	1 air hose	SSD_AIR_E14	SSD_AIR_E14
Group 15	2 cables	SSD E15	SSD_PWR_E15 SSD_SEN_E15
Group 16	2 cables	SSD E16	SSD_PWR_E16 SSD_SEN_E16
	1 air hose	SSD_AIR_E16	SSD_AIR_E16
Group 17	2 cables	SSD E17	SSD_PWR_E17 SSD_SEN_E17
Group 18	2 cables	SSD E18	SSD_PWR_E18 SSD_SEN_E18
	1 air hose	SSD_AIR_E18	SSD_AIR_E18
Group 19	2 cables	SSD E19	SSD_PWR_E19 SSD_SEN_E19
Group 20	2 cables	SSD E20	SSD_PWR_E20 SSD_SEN_E20
		SSD_AIR_E20	SSD_AIR_E20
Group 21	1 cable	SSD_SIG_E1	SSD_SIG_E1
Group 22	1 cable	SSD_SIG_E2	SSD_SIG_E2

2 Cable location at the large end of the cones

The following drawing shows where the groups of cables are located at the large end of the cones.

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