

Cable Connection chart of Control Cubicle SB2 for WAP7/WAG9/WAP5 Supposed

to be Included in CLW Spec no. CLW/ES/3/0194

35 PIN FOR WAG 9 AND 61 PIN FOR WAP7&5/12 GRADE XK22V:01

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	2050	XK 22V:01-1	XB 22 S-3
2	2.5	2050	XK 22V:01-2	XB 22 S-3
3	2.5	2050	XK 22V:01-3	XB 22 S-3
4	2.5	2050	XK 22V:01-4	XB 22 S-3
5	1.5	2063	XK 22V:01-5	XK 22A:01-7
6	1.5	2064	XK 22V:01-6	78-C
7	1.5	2067	XK 22V:01-7	XK 22A:01-8
8	1.5	2069	XK 22V:01-8	XF 22S:01-1
9	2.5	2094	XK 22V:01-9	XB 22S-17
10	2.5	2094	XK 22V:01-10	XB 22S-17
11	2.5	2094	XK 22V:01-11	XB 22S-17
12	2.5	2094	XK 22V:01-12	XB 22S-17
13	2.5	2095	XK 22V:01-13	XB 22S-19
14	2.5	2095	XK 22V:01-14	XB 22S-20
15	2.5	2096	XK 22V:01-15	XB 22S-21
16	2.5	2096	XK 22V:01-16	XB 22S-21
17	1.5	2300	XK 22V:01-17	XK 22A:01-10
18	1.5	2310	XK 22V:01-18	XK 22A:01-11
19	1.5	2312	XK 22V:01-19	XF 22S:01-2
20	1.5	2314	XK 22V:01-20	XF 22S:01-4
21	1.5	2319	XK 22V:01-21	XF 22S:01-6
22	2.5	2320	XK 22V:01-22	XK 22R-3
23	1.5	2325	XK 22V:01-23	XF 22S:01-7
24	2.5	2326	XK 22V:01-24	XF 22S:01-9
25	1.5	2327	XK 22V:01-25	XF 22S:01-10
26	1.5	2501	XK 22V:01-26	XF 22S:01-11
27	1.5	2510	XK 22V:01-27	TS211.1/2-Q2
28	1.5	2511	XK 22V:01-28	86 – 18
29	1.5	2515	XK 22V:01-29	XF 22S:02-47
30	0.5	2517	XK 22V:01-30	XF 22S:01-1/4
31	1.5	2808	XK 22V:01-31	XK 22H-3
34	1.5	2819	XK 22V:01-34	XK 22H-6
35	0.5	2864	XK 22V:01-35	XK 22R-17
FOR WAP7 AND WAP5 ONLY				
36	1.5	2331 AR	XK 22V:01-36	XF22S:02-33
37	1.5	2050 AR	XK 22V:01-37	XF22S:03-62

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38	1.5	2111 AR	XK 22V:01-38	XF22S:02-36
39	1.5	2500 AR	XK 22V:01-39	XF22S:02-31
40	1.5	2503 AR	XK 22V:01-40	XF22S:02-32
41	1.5	4242 AR	XK 22V:01-41	XF22S:02-34
42	1.5	5672 AR	XK 22V:01-42	XF22S:02-58
43	1.5	5671 AR	XK 22V:01-43	XF22S:02-57

61 PIN / 16 GRADE XK22V :02

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	2866	XK 22V:02-1	XK 22R-18
2	2.5	2867	XK 22V:02-2	XK 22R-19
3	1.5	2874	XK 22V:02-3	XK 22H-9
4	1.5	2894	XK 22V:02-4	XK 22H-10
5	1.5	3000	XK 22V:02-5	237.1-4
6	1.5	3001	XK 22V:02-6	XK 22A:01-12
7	1.5	3042	XK 22V:02-7	XF 22S:01-21
8	2.5	3054	XK 22V:02-8	XK 22D:01-4
9	1.5	3097	XK 22V:02-9	XK 22A:01-4
10	1.5	3035	XK 22V:02-10	XK 22A:01-14
11	1.5	4200	XK 22V:02-11	237.1-3
12	1.5	4201	XK 22V:02-12	XF 22S:01-24
13	1.5	4218	XK 22V:02-13	XK 22A:01-15
14	1.5	4234	XK 22V:02-14	XK 22A:01-16
15	1.5	4235	XK 22V:02-15	XK 22A:01-17
16	1.5	4236	XK 22V:02-16	XF 22S:01-39
17	1.5	4238	XK 22V:02-17	XF 22S:01-40
18	1.5	4243	XK 22V:02-18	XF 22S:01-41
19	1.5	5091	XK 22V:02-19	XK 22H-11
20	1.5	5092	XK 22V:02-20	XK 22H-12
21	1.5	5209	XK 22V:02-21	XK 22R-12
22	1.5	5210	XK 22V:02-22	XK 22R-13
23	2.5	2098A	XK 22V:02-23	XF 22S:02-2
24	1.5	2098B	XK 22V:02-24	86-20
25	1.5	2099A	XK 22V:02-25	XF 22S:02-3
26	1.5	2099B	XK 22V:02-26	XK 22D:02-11
27	2.5	2111A	XK 22V:02-27	XF 22S:02-10
28	1.5	2331B	XK 22V:02-28	XK 22D:02-15
29	1.5	2500B	XK 22V:02-29	XF 22S:02-18
30	1.5	2503A	XK 22V:02-30	XK 22A:01-26
31	1.5	2503B	XK 22V:02-31	XF 22S:02-20
32	1.5	2504A	XK 22V:02-32	126.7A/1 – 2+
33	1.5	2504B	XK 22V:02-33	126.7/1 – 76
34	1.5	2514A	XK 22V:02-34	XK 22A:01-27
35	1.5	2516A	XK 22V:02-35	XF 22A:01-28
36	1.5	2861B	XK 22V:02-36	XK 22F-11
37	1.5	2862B	XK 22V:02-37	XK 22F-13
38	1.5	2863B	XK 22V:02-38	XK 22F-15
39	1.5	3046A	XK 22V:02-39	XF 22S:01-1/5

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40	2.5	3064A	XK 22V:02-40	XK 22A:02-15
41	2.5	3065A	XK 22V:02-41	XK 22A:02-16
42	2.5	3066A	XK 22V:02-42	XK 22A:02-17
43	2.5	3067A	XK 22V:02-43	XK 22A:02-18
44	1.5	3549A	XK 22V:02-44	XF 22S:03-30
45	1.5	3549B	XK 22V:02-45	2.5-XF 22S:03-39
46	2.5	5108A	XK 22V:02-46	XK 22R-14
47	2.5	5108B	XK 22V:02-47	XK 22R-16

FOR WAP7 AND WAP5 ONLY

48	1.5	UH06	XK 22V:02-48	XF 22S:02-52
49	1.5	UH07	XK 22V:02-49	XF 22S:02-53
50	1.5	UH08	XK 22V:02-50	XF 22S:02-54
51	1.5	UH09	XK 22V:02-51	XF 22S:02-55
52	1.5	UH10	XK 22V:02-52	XF 22S:02-56
53	1.5	UH11	XK 22V:02-53	XF 22S:03-53
54	1.5	UH12	XK 22V:02-54	XF 22S:03-54
55	1.5	2806	XK 22V:02-55	XF 22S:03-55
56	1.5	2860	XK 22V:02-56	XF 22S:03-56
57	1.5	HI01	XK 22V:02-57	XF 22S:01-53
58	1.5	HI02	XK 22V:02-58	XF 22S:01-54

22 PIN / 12 GRADE XK22V :03

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2320	XK 22V:03-7	136.3-R2
2	1.5	2890	XK 22V:03-11	XF 22S:03-33
3	1.5	3542C	XK 22V:03-16	XF 22S:03-41
4	1.5	3542D	XK 22V:03-17	XF 22S:03-42
5	2.5	2340	XK 22V:03-6	XK 22R-1
6	1.5	2329	XK 22V:03-8	XK 22D:02-8
7	2.5	5101B	XK 22V:03-9	XK 22R-15
8	2.5	5101A	XK 22V:03-10	XK 22R-10
9	2.5	2876	XK 22V:03-12	XK 22H-26
10	1.5	2877B	XK 22V:03-13	XK 22H-27
11	1.5	2877A	XK 22V:03-14	XK 22H-28
12	1.5	5094	XK 22V:03-15	XK 22H-29
13	1.5	3034B	XK 22V:03-18	XF 22S:02-48
14	2.5	3035B	XK 22V:03-19	XF 22S:02-49
15	1.5	3008	XK 22V:03-20	XF 22S:02-50
16	1.5	5671B	XK 22V:03-21	XF 22S:02-51

FOR WAP7 AND WAP5 ONLY

17	1.5	UH01	XK 22V:03-01	XF 22S:01-48
18	1.5	UH02	XK 22V:03-02	XF 22S:01-49
19	1.5	UH03	XK 22V:03-03	XF 22S:01-50
20	1.5	UH04	XK 22V:03-04	XF 22S:01-51

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21	1.5	UH05	XK 22V:03-05	XF 22S:01-52
22	1.5	3035A	XK 22V:03-22	XF 22S:03-52

LINK CABLE FOR MODIFICATION TO DRIVE MR BLOWER AND SCAVENGE BLOWER BY THREE PHASE SUPPLY

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	0.5	2896 + 2890	XF22S:02-1/6	XF22S:03-33

PIN / 12 GRADE XK22D:02

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	1521	XK 22D:02-2	78.1-Q1
2	1.5	1522	XK 22D:02-3	136.3-R4
3	2.5	2050	XK 22D:02-4	XB22S-1
4	2.5	2050	XK 22D:02-5	XB22S-2
5	1.5	2062	XK 22D:02-6	XF 22S:03-34
6	1.5	2326	XK 22D:02-7	XF 22S:01-8
7	1.5	2329	XK 22D:02-8	XF 22S:03-38
8	1.5	2329	XK 22D:02-8	XK 22V:03-8
9	2.5	3533	XK 22D:02-9	XK 22D:01-7
10	2.5	3533	XK 22D:02-9	XK 22D:03-7
11	1.5	2099A	XK 22D:02-10	XF 22S:02-3
12	1.5	2330A	XK 22D:02-12	XF 22S:02-12
13	1.5	2330B	XK 22D:02-13	XF 22S:02-13
14	1.5	2331A	XK 22D:02-14	XF 22A:01-22
15	1.5	2099B	XK 22D:02-11	XK 22V:02-26
16	1.5	2331B	XK 22D:02-15	XK 22V:02-28

35 PIN / 12 GRADE XK22R

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	2340	XK 22R-1	XK 22R-4
2	2.5	2340	XK 22R-1	XK 22V:03-6
3	2.5	2098A	XK 22R-2	XK 22H-13
4	1.5	2320	XK 22R-3	XF 22S:03-37
5	2.5	2320	XK 22R-3	XK 22V:01-22
6	2.5	2340	XK 22R-4	XK 22R-1
7	1.5	2325	XK 22R-5	XF 22S:01-7
8	2.5	2601A	XK 22R-6	XK 22R-7
9	2.5	2601A	XK 22R-6	127.11/1-2
10	2.5	2601A	XK 22R-7	XK 22R-6
11	2.5	2050	XK 22R-8	XB 22S-6
12	2.5	2050	XK 22R-9	XB 22S-6
13	2.5	5101A	XK 22R-10	XK 22V:03-10
14	2.5	5101A	XK 22R-10	127.1/1-2
15	2.5	2050	XK 22R-11	XB 22S-6
16	2.5	5101B	XK 22R-15	XK 22V:03-9

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17	1.5	2864	XK 22R-17	XK 22F-5
18	2.5	2864	XK 22R-17	XK 22V:01-35
19	1.5	2866	XK 22R-18	XK 22F-6
20	2.5	2866	XK 22R-18	XK 22V:02-1
21	1.5	2867	XK 22R-19	XK 22F-7
22	2.5	2867	XK 22R-19	XK 22V:02-2
23	1.5	2861A	XK 22R-20	XK 22F-10
24	1.5	2862A	XK 22R-21	XK 22F-12
25	1.5	2863A	XK 22R-22	XK 22F-14
26	1.5	5209	XK 22R-12	XK22V:02-21
27	1.5	5210	XK 22R-13	XK22V:02-22
28	2.5	5108A	XK 22R-14	XK22V:02-46
29	2.5	5108B	XK 22R-16	XK22V:02-47

35P/12 GRADE XK22HL (ONLY FOR WAP 7 & 5)

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	UH01	XK22HL:01	XF22S:01-48
2	1.5	UH02	XK22HL:02	XF22S:01-49
3	1.5	UH03	XK22HL:03	XF22S:01-50
4	1.5	UH04	XK22HL:04	XF22S:01-51
5	1.5	UH05	XK22HL:05	XF22S:01-52
6	1.5	UH06	XK22HL:06	XF22S:02-52
7	1.5	UH07	XK22HL:07	XF22S:02-53
8	1.5	UH08	XK22HL:08	XF22S:02-54
9	1.5	UH09	XK22HL:09	XF22S:02-55
10	1.5	UH10	XK22HL:10	XF22S:02-56
11	1.5	UH11	XK22HL:11	XF22S:03-53
12	1.5	UH12	XK22HL:12	XF22S:03-54
13	1.5	UH13	XK22HL:13	XF22S:03-58

35 PIN / 12 GRADE XK22F

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	2050	XK 22F-1	XB22S-2
2	1.5	2805	XK 22F-2	XF22S:01-1/1
3	1.5	2806	XK 22F-3	XF22S:01-1/2
4	0.5	2860	XK 22F-4	XF22S:01-1/3
5	1.5	2864	XK 22F-5	XK22R-17
6	1.5	2866	XK 22F-6	XK22R-18
7	1.5	2867	XK 22F-7	XK22R-19
8	1.5	2869	XK 22F-8	XF22S:01-20
9	1.5	2801A	XK 22F-9	XF22S:03-14
10	1.5	2861A	XK 22F-10	XK22R-20
11	1.5	2861B	XK 22F-11	XK22V:02-36
12	1.5	2862A	XK 22F-12	XK22R-21
13	1.5	2862B	XK 22F-13	XK22V:02-37
14	1.5	2863A	XK 22F-14	XK22R-22

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15	1.5	2863B	XK 22F-15	XK22V:02-38
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35 PIN / 12 GRADE XK22H

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	2050	XK 22H-1	XK22H-2
2	2.5	2050	XK 22H-1	XB22S-2
3	2.5	2050	XK 22H-2	XK22H-1
4	1.5	2854	XK 22H-7	XF22S:01-18
5	1.5	2859	XK 22H-8	XF22S:01-19
6	1.5	5091	XK 22H-11	127.22/1-2
7	2.5	5091	XK 22H-11	XK22V:02-19
8	2.5	2098A	XK 22H-13	XF22S:02-2
9	2.5	2098A	XK 22H-13	XK22R-2
10	1.5	2801A	XK 22H-14	XF22S:03-14
11	1.5	2850A	XK 22H-15	XF22S:03-18
12	1.5	2851A	XK 22H-16	XF22S:03-19
13	1.5	2852A	XK 22H-17	XF22S:03-20
14	1.5	2853A	XK 22H-18	XF22S:03-21
15	1.5	2855A	XK 22H-19	XF22S:03-22
16	1.5	2856A	XK 22H-20	XF22S:03-23
17	1.5	2857A	XK 22H-21	XF22S:03-24
18	1.5	3037A	XK 22H-22	XF22S:03-29
19	1.5	2840A	XK 22H-23	XF22S:02-1/5
20	1.5	2890	XK 22H-24	XF22S:03-33
21	1.5	2896	XK 22H-25	XF22S:02-1/6
22	2.5	2876	XK 22H-26	XK22V:03-12
23	1.5	2877B	XK 22H-27	XK22V:03-13
24	1.5	2877A	XK 22H-28	XK22V:03-14
25	1.5	5094	XK 22H-29	XK22V:03-15
26	1.5	2808	XK 22H-3	XK22V:01-31
27	1.5	2809	XK 22H-4	XK22V:01-32
28	1.5	2817	XK 22H-5	XK22V:01-33
29	1.5	2819	XK 22H-6	XK22V:01-34
30	1.5	2874	XK 22H-9	XK22V:02-3
31	1.5	2894	XK 22H-10	XK22V:02-4
32	2.5	5092	XK 22H-12	XK22V:02-20

35 PIN / 12 GRADE XK22A:01

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	4201	XK 22A:01-1	XF22S:01-24
2	1.5	2319	XK 22A:01-2	XF22S:01-6
3	2.5	2062	XK 22A:01-3	127.12-2
4	2.5	2050	XK 22A:01-5	XB22S-1
5	2.5	2050	XK 22A:01-6	XB22S-1
6	1.5	2069	XK 22A:01-9	XF22S:01-1
7	2.5	3054	XK 22A:01-13	XK22D:03-4

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8	1.5	4235	XK 22A:01-17	XF22S:01-38
9	1.5	4235	XK 22A:01-17	XK22V:02-15
10	1.5	2097A	XK 22A:01-18	XF22S:02-1
11	1.5	2099A	XK 22A:01-19	XF22S:02-3
12	2.5	2111A	XK 22A:01-20	XF22S:02-10
13	1.5	2111A	XK 22A:01-20	126.7/1-2
14	1.5	2313A	XK 22A:01-21	XF22S:02-11
15	1.5	2331A	XK 22A:01-22	XF22S:02-14
16	1.5	2331A	XK 22A:01-22	XK22D:02-14
17	1.5	2333A	XK 22A:01-23	XF22S:02-15
18	1.5	2334A	XK 22A:01-24	XF22S:02-16
19	1.5	2500A	XK 22A:01-25	XF22S:02-17
20	1.5	2503A	XK 22A:01-26	XF22S:02-19
21	1.5	2503A	XK 22A:01-26	XK22V:02-30
22	1.5	2514A	XK 22A:01-27	XF22S:02-21
23	1.5	2514A	XK 22A:01-27	XK22V:02-34
24	1.5	2520A	XK 22A:01-29	XF22S:02-22
25	1.5	2521A	XK 22A:01-30	XF22S:02-23
26	1.5	2522A	XK 22A:01-31	XF22S:02-24
27	1.5	2523A	XK 22A:01-32	XF22S:02-25
28	1.5	2524A	XK 22A:01-33	XF22S:02-26
29	1.5	2525A	XK 22A:01-34	XF22S:03-7
30	1.5	2526A	XK 22A:01-35	XF22S:03-8
31	1.5	3097	XK 22A:01-4	XK22V:02-9
32	1.5	2063	XK 22A:01-7	XK22V:01-5
33	1.5	2067	XK 22A:01-8	XK22V:01-7
34	1.5	2300	XK 22A:01-10	XK22V:01-17
35	1.5	2310	XK 22A:01-11	XK22V:01-18
36	1.5	3001	XK 22A:01-12	XK22V:02-6
37	1.5	3530	XK 22A:01-14	XK22V:02-10
38	1.5	4218	XK 22A:01-15	XK22V:02-13
39	1.5	4234	XK 22A:01-16	XK22V:02-14
40	1.5	2516A	XK 22A:01-28	XK22V:02-35

61 PIN / 16 GRADE XK22A:02

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2527A	XK 22A:02-1	XF22S:03-9
2	1.5	2532A	XK 22A:02-2	XF22S:03-10
3	1.5	2540A	XK 22A:02-3	XF22S:03-11
4	1.5	2541A	XK 22A:02-4	XF22S:03-12
5	1.5	2542A	XK 22A:02-5	XF22S:03-13
6	1.5	2803A	XK 22A:02-6	XF22S:03-15
7	1.5	2804A	XK 22A:02-7	XF22S:03-16
8	1.5	2807A	XK 22A:02-8	XF22S:03-17
9	1.5	3005A	XK 22A:02-9	XF22S:03-25
10	1.5	3020A	XK 22A:02-10	XF22S:03-26
11	1.5	3033A	XK 22A:02-11	XF22S:02-1/1
12	1.5	3034A	XK 22A:02-12	XF22S:03-27

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13	1.5	3035A	XK 22A:02-13	XF22S:03-28
14	1.5	3060A	XK 22A:02-14	XF22S:02-1/2
15	1.5	3069A	XK 22A:02-19	XF22S:02-1/3
16	1.5	3071A	XK 22A:02-20	XF22S:02-1/4
17	1.5	3117A	XK 22A:02-26	XF22S:03-1/1
18	1.5	3501A	XK 22A:02-27	XF22S:01-43
19	1.5	3543A	XK 22A:02-28	XF22S:01-46
20	1.5	3544A	XK 22A:02-29	-XF22S:01-47
21	2.5	3549A	XK 22A:02-30	XF22S:03-43
22	1.5	3554A	XK 22A:02-31	XF22S:03-46
23	1.5	4211A	XK 22A:02-32	XF22S:01-45
24	1.5	4232A	XK 22A:02-33	XF22S:03-31
25	1.5	4237A	XK 22A:02-34	XF22S:03-1/2
26	1.5	4242A	XK 22A:02-35	XF22S:03-1/3
27	1.5	5671A	XK 22A:02-36	XF22S:03-1/4
28	1.5	5672A	XK 22A:02-37	XF22S:03-1/5
29	1.5	5673A	XK 22A:02-38	XF22S:03-1/6
30	1.5	3542A	XK 22A:02-61	XF22S:03-40
31	2.5	3064A	XK 22A:02-15	XK22V:02-40
32	2.5	3065A	XK 22A:02-16	XK22V:02-41
33	2.5	3066A	XK 22A:02-17	XK22V:02-42
34	2.5	3067A	XK 22A:02-18	XK22V:02-43

FOR WAP7 AND WAP5 ONLY

35	1.5	2500AR	XK 22A:02-39	XF22S:03-48
36	1.5	2503AR	XK 22A:02-40	XF22S:03-49
37	1.5	2331AR	XK 22A:02-41	XF22S:03-50
38	1.5	4242AR	XK 22A:02-42	XF22S:03-51
39	1.5	2111AR	XK 22A:02-43	XF22S:02-36
40	1.5	5671AR	XK 22A:02-44	XF22S:02-57
41	1.5	5672AR	XK 22A:02-45	XF22S:02-58
42	1.5	2050AR	XK 22A:02-50	XF22S:03-62

13 PIN / 12 GRADE XK22D:01

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	3054	XK 22D:01-1	XK22D:01-4
2	2.5	3054	XK 22D:01-1	XK22D:03-4
3	2.5	2050	XK 22D:01-3	XB22S-1
4	2.5	3054	XK 22D:01-4	XK22D:01-1
5	2.5	3054	XK 22D:01-4	XK22V:02-8
6	2.5	3531	XK 22D:01-5	XK22D:03-5
7	2.5	3532	XK 22D:01-6	XK22D:03-6
8	2.5	3533	XK 22D:01-7	XK22D:02-9

13 PIN / 12 GRADE XK22D:03

Sl.	Cable Cross	Cable no.	Connection From	Connection To
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No.	Section			
1	2.5	3533	XK22D:03-1	XK22D:03-7
2	2.5	2050	XK22D:03-3	XB22S-2
3	2.5	3054	XK22D:03-4	XK22D:01-1
4	2.5	3054	XK22D:03-4	XK22A:01-13
5	2.5	3533	XK22D:03-7	XK22D:02-9
6	2.5	3533	XK22D:03-7	XK22D:03-1
7	2.5	3531	XK22D:03-5	XK22D:01-5
8	2.5	3532	XK22D:03-6	XK22D:01-6

22 PIN FOR WAP 7 & 5 / 12 GRADE XK22U:01

Sl. No.	Cable Cross Section	Cable no. For WAP 7 & 5 Only	Connection From	Connection To
1	((5*4*1)+2)) FOR WAP 7 & 5 ONLY	2500A	XK22U:01-1	XF22S:02-27
2		2503A	XK22U:01-2	XF22S:02-28
3		2331A	XK22U:01-3	XF22S:02-29
4		4242A	XK22U:01-4	XF22S:02-30
5		2500AR	XK22U:01-5	XF22S:02-31
6		2503AR	XK22U:01-6	XF22S:02-32
7		2331AR	XK22U:01-7	XF22S:02-33
8		4242AR	XK22U:01-8	XF22S:02-34
9		2111A	XK22U:01-9	XF22S:02-35
10		U10A	XK22U:01-10	XF22S:02-37
11		U11A	XK22U:01-11	XF22S:02-38
12		2111AR	XK22U:01-12	XF22S:02-36
13		U13A	XK22U:01-13	XF22S:02-39
14		2050AR	XK22U:01-14	XF22S:03-62
15		5672A	XK22U:01-15	XF22S:02-60
16		5672AR	XK22U:01-16	XF22S:02-58
17		5671AR	XK22U:01-17	XF22S:02-57
18		5671A	XK22U:01-18	XF22S:02-59
19		SPARE 19	XK22U:01-19	SPARE
20		SPARE 20	XK22U:01-20	SPARE
21		SPARE 21	XK22U:01-21	SPARE
22		SPARE 22	XK22U:01-22	SPARE

13 PIN FOR WAG 9 ONLY / 12 GRADE XK22U:01

Sl. No.	Cable Cross Section	Cable no. For WAG 9 Only	Connection From	Connection To
1	((3*4*1)+1)) FOR WAG 9 ONLY	U01	XK22U:01-1	XF22S:02-27
2		U02	XK22U:01-2	XF22S:02-28
3		U03	XK22U:01-3	XF22S:02-29
4		U04	XK22U:01-4	XF22S:02-30
5		U05	XK22U:01-5	XF22S:02-31
6		U06	XK22U:01-6	XF22S:02-32
7		U07	XK22U:01-7	XF22S:02-33
8		U08	XK22U:01-8	XF22S:02-34
9		U09	XK22U:01-9	XF22S:02-35

10		U10A	XK22U:01-10	XF22S:02-37
11		U11A	XK22U:01-11	XF22S:02-38
12		U12A	XK22U:01-12	XF22S:02-36
13		U13A	XK22U:01-13	XF22S:02-39

22 PIN FOR WAP 7 & 5 ONLY / 12 GRADE XK22U: 02

Sl. No.	Cable Cross Section	Cable no. For WAP7 & 5 Only	Connection From	Connection To
1	((5*4*1)+2)) FOR WAP 7 & 5 ONLY	2500A	XK22U:02-1	XF22S:02-27
2		2503	XK22U:02-2	XF22S:02-28
3		2331A	XK22U:02-3	XF22S:02-29
4		4242A	XK22U:02-4	XF22S:02-30
5		2500AR	XK22U:02-5	XF22S:02-31
6		2503AR	XK22U:02-6	XF22S:02-32
7		2331AR	XK22U:02-7	XF22S:02-33
8		4242AR	XK22U:02-8	XF22S:02-34
9		2111A	XK22U:02-9	XF22S:02-35
10		U10B	XK22U:02-10	XF22S:02-40
11		U11B	XK22U:02-11	XF22S:02-41
12		2111AR	XK22U:02-12	XF22S:02-36
13		U13B	XK22U:02-13	XF22S:02-42
14		2050AR	XK22U:02-14	XF22S:03-62
15		5672A	XK22U:02-15	XF22S:02-60
16		5672AR	XK22U:02-16	XF22S:02-58
17		5671AR	XK22U:02-17	XF22S:02-57
18		5671A	XK22U:02-18	XF22S:02-59
19		SPARE 19	XK22U:02-19	SPARE
20		SPARE 20	XK22U:02-20	SPARE
21		SPARE 21	XK22U:02-21	SPARE
22		SPARE 22	XK22U:02-22	SPARE

13 PIN FOR WAG 9 ONLY / 12 GRADE XK22U: 02

Sl. No.	Cable Cross Section	Cable no. For WAG9 Only	Connection From	Connection To
1	((3*4*1)+1)) FOR WAG 9 ONLY	U01	XK22U:02-1	XF22S:02-27
2		U02	XK22U:02-2	XF22S:02-28
3		U03	XK22U:02-3	XF22S:02-29
4		U04	XK22U:02-4	XF22S:02-30
5		U05	XK22U:02-5	XF22S:02-31
6		U06	XK22U:02-6	XF22S:02-32
7		U07	XK22U:02-7	XF22S:02-33
8		U08	XK22U:02-8	XF22S:02-34
9		U09	XK22U:02-9	XF22S:02-35
10		U10B	XK22U:02-10	XF22S:02-40
11		U11B	XK22U:02-11	XF22S:02-41
12		U12B	XK22U:02-12	XF22S:02-36

13		U13	XK22U:02-13	XF22S:02-42
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5 PIN XK22P:01

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1(2P+S)	1501	XK22P:01-1	XF22S:03-1
2	1(2P+S)	1502	XK22P:01-2	XF22S:03-0
3	1(2P+S)	1503	XK22P:01-3	XF22S:03-5

5 PIN XK22P:02

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1(2P+S)	1501	XK22P:02-1	XF22S:03-1
2	1(2P+S)	1502	XK22P:02-2	XF22S:03-3
3	1(2P+S)	1503	XK22P:02-3	XF22S:03-5

5 PIN XK22P:03

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1(2P+S)	1501	XK22P:03-1	XF22S:03-1
2	1(2P+S)	1502	XK22P:03-2	XF22S:03-3
3	1(2P+S)	1503	XK22P:03-3	XF22S:03-5

5 PIN XK22P:04

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1(2P+S)	1501	XK22P:04-1	XF22S:03-2
2	1(2P+S)	1502	XK22P:04-2	XF22S:03-4
3	1(2P+S)	1503	XK22P:04-3	XF22S:03-6

5 PIN XK22P:05

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1(2P+S)	1501	XK22P:05-1	XF22S:03-2
2	1(2P+S)	1502	XK22P:05-2	XF22S:03-4
3	1(2P+S)	1503	XK22P:05-3	XF22S:03-6

LINK CABLE 152 (Rotary Switch Failure Mode Operation)

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	4201	152-1	127.9/1-2
2	1.5	4201	152-1	154-1
3	0.5	5676	152-2	411.LA-3

LINK CABLE 154 (Rotary Switch Bogie Cut Out)

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	4201	154-1	152-1
2	1.5	4201	154-1	154-3
3	0.5	2401	154-2	411.LA-9
4	0.5	2401	154-4	411.LA-2
5	1.5	4201	154-3	154-1
6	1.5	4201	154-3	160-3

LINK CABLE 160 (Rotary Switch Configuration)

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	4201	160-3	154-3
2	1.5	4201	160-3	161-13
3	0.5	2404	160-4	411.LA-10

LINK CABLE 237.1 (Rotary Switch Vigilance Device)

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2069	237.1-1	XF22S:01-1
2	1.5	4236	237.1-2	XF22S:01-39
3	1.5	4200	237.1-3	XK22V:02-11
4	1.5	4200	237.1-3	237.1-7
5	1.5	3000	237.1-4	XK22V:02-5
6	1.5	3000	237.1-8	XF22S:03-36
7	1.5	2069	237.1-1	211.1/1-Q1

LINK CABLE 161 (Illuminated Push Button)

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2050	161-X2	XB22S-4
2	0.5	2407	161-X1	411.LG-3
3	1.5	4201	161-13	160-3
4	1.5	4201	161-13	78-A
5	0.5	2405	161-14	411.LD-1

179 (Key Switch Simulation SB1)

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	4201	179-1	XF22S:01-24
2	1.5	5676	179-2	XF22S:01-42

381.71 (Resister for Screen Train Bus)

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	U13A	381.71-Q1	XF22S:02-39
2	1.5	U13B	381.71-Q1	XF22S:02-42
3	2.5	0	381.71-Q2	XB22S-15

78.1 (Resister for Maximum Current Relay)

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	1521	78.1-Q1	XK22D:02-2
2	1.5	1521	78.1-Q1	78-U
3	1.5	1523	78.1-Q2	136.3-R3

86 (Minimum Voltage Relay)

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2314	86-15-U	XF22S:01-4
2	1.5	2511	86-18-U	XK22V:01-28
3	1.5	2098B	86-20-L	XK22V:02-24
4	1.5	2050	86-21-L	XB22S-11
5	1.5	1502	86-13-L	XF22S:03-4
6	1.5	1501	86-12-L	XF22S:03-2
7	1.5	2320	86-14-U	78-D
8	1.5	2069	86-19-U	211.1/1-Q1

381.7 (Resistor for Screen Train Bus)

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	0	381.7-M	XB22S-15

78 (Maximum Current Relay)

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	4201	78-A	XF22S:01-28
2	1.5	2064	78-C	XK22V:01-6
3	1.5	2320	78-D	XF22S:03-37
4	1.5	0	78-M	XB22S-15
5	1.5	4201	78-A	161-13
6	0.5	2088	78-B	411.LD-4
7	1.5	2320	78-D	86-14
8	1.5	1521	78-U	78.1-Q1
9	1.5	1522	78-V	136.3-R4

89.7 (Earth Fault Relay)

Sl.	Cable Cross	Cable no.	Connection From	Connection To
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No.	Section			
1	1.5	2801A	89.7-A	127.2/1-2
2	0.5	2801A	89.7-A	411.JJ-2
3	0.5	2870	89.7-B	411.QD-11
4	1.5	2022	89.7-U	90.7/1-Q2
5	1.5	0	89.7-V	XB22S-15

90.7/1 (Resistor for Earth Fault Relay)

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	2095	90.7/1-Q1	XB22S-20
2	1.5	2022	90.7/1-Q2	89.7-U
3	1.5	2022	90.7/1-Q2	90.7/2-Q1

90.7/3 (Resistor for earth fault Relay as per RDSO modification 480)

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2022 (MOD)	90.7/3-Q1	90.7/2-Q1
2	1.5	2050	90.7/3-Q2	90.7/2-Q2

90.7/2 (Resistor for Earth Fault Relay)

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2022	90.7/2-Q1	90.7/1-Q2
2	1.5	2050	90.7/2-Q2	XB22S-15

127.3/1 (10A) CB for Driver's Cab

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	2101A	127.3/1-2	126.7/1-1

127.12 (6A) CB for Panto/VCB Control

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	2062	127.12-2	XK22A:01-3
2	2.5	2062	127.12-2	XF22S:03-34

127.91/1 (6A) CB for 24/48V Power Supply

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	2005A	127.91/1-2	118.4/1-V1+
2	2.5	2005A	127.91/1-2	118.5/1-V1+

310.1/1 (6A) CB for Lighting Front

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2101C	310.1/1-2	126.7/1-3

127.1/1 (6A) CB for Electronic Traction Converter

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	5101A	127.1/1-2	XK22R-10

127.11/1 (20A) CB for Power Supply Gate Unit

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	2601A	127.11/1-2	XK22R-6

127.2/1 (6A) CB for Monitoring

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2801A	127.2/1-2	XF22S:03-14
2	1.5	2801A	127.2/1-2	89.7-A

127.22/1 (6A) CB for Aux. Converter-1

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	5091	127.22/1-2	XK22H-11

127.9/1 (6A) CB for Central Electronic-1

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	4201	127.9/1-2	XF22S:01-28
2	1.5	4201	127.9/1-2	152-1

127.9/2 (6A) CB for Central Electronic-2

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	4202	127.9/2-2	XF22S:01-34

126.5 Relay Control Electronics OFF

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2505	126.5-21	XF22S:01-12
2	1.5	2070	126.5-A1	126.5-14

3	1.5	2070	126.5-A1	126.5A-2+
4	1.5	2050	126.5-A2	126.5A-4 -
5	1.5	2505	126.5-13	126.5-21
6	1.5	2070	126.5-14	126.5-A1
7	1.5	2503	126.5-21	126.5-13
8	1.5	2808	126.5-22	126-A1

126.5A Snubber

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2070	126.5A-1+	123/7-10
2	1.5	2070	126.5A-2+	126.5-A1
3	1.5	2050	126.5A-3-	XB22S-8
4	1.5	2050	126.5A-4-	126.5-A2

136.4 Auxiliary Contactor VCB

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2314	136.4-1	XF22S:01-4
2	1.5	2312	136.4-2	XF22S:01-2
3	1.5	2311	136.4-A1	136.4A-1+
4	1.5	2050	136.4-A2	136.4A-4-
5	1.5	2312	136.4-4	XF22S:01-3
6	1.5	2314	136.4-3	XF22S:01-4

136.4A Snubber

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2311	136.4A-1	1364-A1
2	0.5	2311	136.4A-2	411.LG-9
3	1.5	2050	136.4A-3	XB22S-4
4	1.5	2050	136.4A-4	1364-A2

126.7/1 Contactor Power Supply to Cab

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2111A	126.7/1-2	XK22A:01-20
2	1.5	2097A	126.7/1-53	XF22S:02-1
3	1.5	2099A	126.7/1-54	XF22S:02-4
4	1.5	2503B	126.7/1-75	XF22S:02-20
5	1.5	2504B	126.7/1-76	XK22V:02-33
6	2.5	2101A	126.7/1-1	127.3/1-2
7	1.5	2111A	126.7/1-2	XF22S:02-10
8	1.5	2504A	126.7/1-A1	126.7A/1-1+
9	1.5	2050	126.7/1-A2	126.7A/1-4-
10	1.5	210C	126.7/1-3	310.1/1-2

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11	1.5	3501A	126.7/1-4	XF22S:01-43
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126.7A/1 Snubber

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2504A	126.7A/1-1	126.7/1-A1
2	1.5	2504A	126.7A/1-2	XK22V:02-32
3	1.5	2050	126.7A/1-3	XB22S-8
4	1.5	2050	126.7A/1-4	126.7/1-A2

136.3 Time Relay VCB

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2326	136.3-R1	XF22S:01-9
2	1.5	2328	136.3-R2	XK22V:03-7
3	1.5	1522	136.3-R4	XK22D:02-3
4	1.5	2326	136.3-A1	136.3A-1+
5	1.5	2050	136.3-A2	136.3A-4-
6	1.5	2326	136.3-R1	136.3A-2+
7	1.5	1523	136.3-R3	78.1-Q2
8	1.5	1522	136.3-R4	78-V
9	1.5	2890	136.3-2	XF22S:03-33
10	1.5	2062	136.3-1	XF22S:03-34
11	1.5	2326	136.3-(T)-16	136.3-A1 (For WAP 5 only)

136.3A Snubber

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2326	136.3A-1	136.3-A1 (T) (For WAP 5 only)
2	1.5	2326	136.3A-2	136.3-R1
3	1.5	2050	136.3A-3	XB22S-4
4	1.5	2050	136.3A-4	136.3-A2

218 Contactor Type-4

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	10	2095	218-1+	XB22S-19
2	10	2096	218-2	XB22S-21
3	1.5	2513	218-A1	XF22S:01-14
4	1.5	2050	218-A2	XB22S-4 ((Pin no. 1 to 13 is shorted)

126 Contactor Type-4

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	10	2094	126-1+	XB22S-18
2	10	2094	126-1+	XB22S-18
3	10	2095	126-2-	XB22S-19
4	10	2095	126-2-	XB22S-20
5	1.5	2508	126-A1	126.5-22
6	1.5	2050	126-A2	XB22S-7

338/1 Contactor Type-6

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	3542 C	338/1-1	XF22S:03-41
2	1.5	3549 C	338/1-2	XF22S:03-43
3	1.5	3549 A	338/1-A1	XF22S:03-30
4	1.5	2050	338/1-A2	XB22S-8 (Pin no. 1 to 13 is shorted)

118.4/1 DC-DC Converter

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	2050	118.4/1-GI	XB22S-6
2	2.5	2050	118.4/1-G0	XB22S-7
3	2.5	2098A	118.4/1-V0	XF22S:02-2
4	2.5	2005A	118.4/1-V1	127.91/1-2

118.5/1 DC-DC Converter

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	2050	118.5/1-GI	XB22S-7
2	2.5	2050	118.5/1-G0	XB22S-7
3	2.5	2097A	118.5/1-V0	XF22S:02-1
4	2.5	2005A	118.5/1-V1	127.91/1-2

211.1/1

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2069	211.1/1-Q1	237.1/1-1
2	1.5	2069	211.1/1-Q1	86-19
3	1.5	2510	211.1/1-Q2	XK22V:01-27

2096

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	6	2096	S2096.1-Q1	XB22S-21

2095

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	2095	S2095.1-Q1	XB22S-19
2	2.5	2095	S2095.1-Q1	XB22S-20

O-MASSE-M

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	10	0	MASSE22S-M	XB22S-16
2	2.5	0	MASSE22S-M	411-M
3	2.5	0	MASSE22S-M	411-M

SB1 VCU RESET MODIFICATIONS (RDSO MS 475)

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2069	XF22S:01-1	RESET SWITCH-13
2	1.5	2069A	RESET SWITCH-14	XK22V:03-1
3	1.5	2069B	XK22V:03-2	136.4-21
4	1.5	2069C	136.22	RESET RELAY- A1
5	1.5	2050	RESET RELAY -A2	XB22S-12
6	1.5	2513	XF22S:01-14	RESET RELAY- 21
7	1.5	2513A	RESET RELAY-22	218-A1
8	1.5	3048	XK22V:03-3	NEW TIMER-18
9	1.5	2069	XF22S:01-1	RESET RELAY- 43
10	1.5	2069	RESET RELAY -43	NEW TIMER -A1
11	1.5	2069	NEW TIMER -A1	NEW TIMER-15
12	1.5	2069Y	RESET RELAY- 44	NEW TIMER-Y1
13	1.5	2050	RESET RELAY -A2	NEW TIMER- A2

Connections Only for WAP 7 & 5

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	2050	XB22S-12	XF22S:03-44
2	1.5	UH10	XF22S:01-1/1	XF22S:02-56
3	1.5	0	XB22S-15	XF22S:03-58
4	6	2095	XB22S:20	S2095.1-Q2
5	6	2096	XB22S:21	S2096.1-Q2
6	1.5	2500AR	XF22S:03-48	XF22S:02-31
7	1.5	2503AR	XF22S:03-49	XF22S:02-32
8	1.5	2331AR	XF22S:03-50	XF22S:02-33
9	1.5	4242AR	XF22S:03-51	XF22S:02-34
10	1.5	2111A	XF22S:02-10	XF22S:02-35
11	1.5	2331A	XF22S:02-14	XF22S:02-29
12	1.5	2500A	XF22S:02-17	XF22S:02-27

13	1.5	2503A	XF22S:02-19	XF22S:02-28
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123/1 Blocking Diode

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2500A	123/1-1	XF22S:02-17
2	1.5	2501	123/1-2	XF22S:01-11
3	1.5	2500B	123/1-3	XF22S:02-18
4	1.5	2501	123/1-4	XF22S:01-11
5	1.5	2503A	123/1-5	XF22S:02-19
6	1.5	2505	123/1-6	XF22S:01-12
7	1.5	2503B	123/1-7	XF22S:02-20
8	1.5	2505	123/1-8	XF22S:01-12
9	1.5	2506	123/1-9	XF22S:01-17
10	1.5	2505	123/1-10	XF22S:01-13

123/3 Blocking Diode

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2111A	123/3-1	XF22S:02-10
2	1.5	4211A	123/3-2	XF22S:01-45
3	1.5	3542A	123/3-3	XF22S:01-46
4	1.5	3549A	123/3-4	XF22S:03-30
5	1.5	3544A	123/3-5	XF22S:01-47
6	1.5	3549B	123/3-6	XF22S:03-39
7	1.5	2333A	123/3-7	XF22S:02-15
8	1.5	2319	123/3-8	XF22S:01-6
9	1.5	2334A	123/3-9	XF22S:02-16
10	1.5	2327	123/3-10	XF22S:01-10

123/5 Blocking Diode

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	4238	123/5-1	XF22S:01-40
2	1.5	4232A	123/5-2	XF22S:03-31
3	1.5	4239A	123/5-3	XF22S:02-45
4	1.5	4232A	123/5-4	XF22S:03-31
5	1.5	2509	123/5-5	XF22S :02-46
6	1.5	2505	123/5-6	XF22S:01-13
7	1.5	3114	123/5-7	XF22S:01-22
8	1.5	3037A	123/5-8	XF22S:03-29
9	1.5	3115	123/5-9	XF22S:01-23
10	1.5	3037A	123/5-10	XF22S:02-29

123/7 Blocking Diode

Sl.	Cable Cross	Cable no.	Connection From	Connection To
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No.	Section			
1	1.5	2515	123/7-1	XK22V:01-29& XF22S:02-47
2	1.5	2513	123/7-2	XF22S:01-14
3	1.5	2518	123/7-3	XF22S:01-15
4	1.5	2513	123/7-4	XF22S:01-14
5	1.5	2519	123/7-5	XF22S:01-16
6	1.5	2513	123/7-6	XF22S:01-14
7	1.5	2312	123/7-7	XF22S:01-2
8	1.5	2327	123/7-8	XF22S:01-10
9	0.5 & 1.5	2066	123/7-9	411.LG7& XF22S:03-45
10	1.5	2070	123/7-10	126.5A-1+

123.1/1 Blocking Diode Dablo-8

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	2331A	123.1/1-1	XF22S:02-14
2	1.5	2514A	123.1/1-2	XF22S:02-21
3	1.5	4235	123.1/1-3	XF22S:01-38
4	1.5	3554A	123.1/1-4	XK22A:02- 31/XF22S:03-46
5	0.5	3503A	123.1/1-14	411.LG- 17/XF22S:03-47

123/8 Blocking Diode

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	1.5	3542A	123/8-1	XF22S:03-40
2	1.5	3542B	123/8-2	XF22S:03-41
3	1.5	3542C	123/8-3	XF22S:03-40
4	1.5	3542D	123/8-4	XF22S:03-42

*** 411.AJ SUB D 17 PIN**

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	4201	411.AJ-A1	XF22S:01-30
2	2.5	2050	411.AJ-A2	XB22S-5

***411.CJ SUB D 17 PIN**

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	2.5	4202	411.CJ-A1	XF22S:01-34
2	2.5	2050	411.CJ-A2	XB22S-9

***411.JA SUB D 15 PIN**

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Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	0.5	2840A	411.JA-1	XF22S:02-1/5
2	0.5	2500A	411.JA -3	XF22S:02-17
3	0.5	2541A	411.JA -4	XF22S:03-12
4	0.5	2050	411.JA -8	XB22S-9
5	0.5	3060A	411.JA -9	XF22S:02-1/2
6	0.5	2803A	411.JA -10	XF22S:03-28
7	0.5	4242A	411.JA -11	XF22S:03-1/3
8	0.5	2804A	411.JA -12	XF22S:03-16
9	0.5	4201	411.JA -15	XF22S:01-30
10	0.5	2520A	411.JA -2	XF22S:02-22

***411.JD SUB D 15 PIN**

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	0.5	3117A	411.JD-1	XF22S:03-1/1
2	0.5	2526A	411.JD-2	XF22S:03-8
3	0.5	2050	411.JD-8	XB22S-9
4	0.5	2524A	411.JD-9	XF22S:02-26
5	0.5	4201	411.JD-15	XF22S:01-25
6	0.5	3000B	411.JD-10	XF22S:03-36
7	0.5	3008	411.JD-12	XF22S:02-50
8	0.5	2523A	411.JD-4	XF22S:02-25
9	0.5	2521A	411.JD-3	XF22S:02-23
10	0.5	2522A	411.JD-11	XF22S:02-24

***411.JG SUB D 25 PIN**

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	0.5	2099A	411.JG-6	XF22S:02-4
2	0.5	2099A	411.JG-7	XF22S:02-5
3	0.5	3020A	411.JG-9	XF22S:03-26
4	0.5	2099A	411.JG-10	XF22S:02-5
5	0.5	3071A	411.JG-18	XF22S:2-1/4
6	0.5	2542A	411.JG-19	XF22S:03-13
7	0.5	2532A	411.JG-20	XF22S:03-10
8	0.5	2099A	411.JG-22	XF22S:02-6
9	0.5	2807A	411.JG-23	XF22S:03-17
10	0.5	2099A	411.JG-04	XF22S:02-5
11	0.5	5672A	411.JG-17	XF22S:03-1/5

***411.JJ SUB D 15 PIN**

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
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1	0.5	3042	411.JJ-3	XF22S:01-21
2	0.5	4201	411.JJ-4	XF22S:01-31
3	0.5	2805	411.JJ-9	XF22S:01-1/1
4	0.5	4201	411.JJ-10	XF22S:01-31
5	0.5	3046A	411.JJ-12	XF22S:01-1/5
6	0.5	UH05	411.JJ-2	XF22S:01-52
7	0.5	2099A	411.JJ-6	XF22S:02-3
8	0.5	5673A	411.JJ-13	XF22S:03-1/6

***411.LA SUB D 15 PIN**

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	0.5	2517	411.LA-1	XF22S:01-1/4
2	0.5	2050	411.LA-8	XB22S-5
3	0.5	4243	411.LA-11	XF22S:01-41
4	0.5	4201	411.LA-15	XF22S:01-25
5	0.5	2402	411.LA-2	154-4
6	0.5	5675	411.LA-3	152-2
7	0.5	2401	411.LA-9	154-2
8	0.5	2404	411.LA-10	160-4
9	0.5	5671A	411.LA-4	XF22S:03-1/4
10	0.5	3034B	411.LA-12	XF22S:02-48

***411.LD SUB D 15 PIN**

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	0.5	5676	411.LD-2	XF22S:01-42
2	0.5	2330A	411.LD-3	XF22S:02-12
3	0.5	2050	411.LD-8	XB22S-9
4	0.5	2312	411.LD-9	XF22S:01-3
5	0.5	3038	411.LD-10	XF22S:03-55
6	0.5	4201	411.LD-11	XF22S:01-33
7	0.5	4201	411.LD-15	XF22S:01-26
8	0.5	2405	411.LD-1	161-14
9	0.5	2088	411.LD-4	78-B
10	0.5	3035B	411.LD-12	XF22S:02-49

***411.LJ SUB D 15 PIN**

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	0.5	3114	411.LJ-2	XF22S:01-22
2	0.5	4201	411.LJ-9	XF22S:01-32
<u>FOR WAP 7 & 5 ONLY</u>				
4	0.5	HL01	411.LJ-6	XF22S:01-53

5	0.5	HL11	411.LJ-13	XF22S:03-57
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***411.LG SUB D 25 PIN**

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	0.5	4201	411.LG-2	XF22S:01-26
2	0.5	2099A	411.LG-4	XF22S:02-6
3	0.5	4201	411.LG-6	XF22S:01-33
4	0.5	2325	411.LG-10	XF22S:01-7
5	0.5	2320	411.LG-12	XF22S:03-37
6	0.5	2099A	411.LG-15	XF22S:02-7
7	0.5	2518	411.LG-18	XF22S:01-15
8	0.5	4201	411.LG-19	XF22S:01-32
9	0.5	2316	411.LG-21	XF22S:01-5
10	0.5	2326	411.LG-23	XF22S:01-8
11	0.5	2329	411.LG-24	XF22S:03-38
12	0.5	2407	411.LG-3	161-X1
13	0.5	2066	411.LG-7	XF22S:03-45
14	0.5	2311	411.LG-9	136.4A-2+
15	0.5	2506	411.LG-14	XF22S01-17
16	0.5	2503A	411.LG-17	XF22S03-47

***411.NI SUB D 15 PIN**

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	0.5	2098A	411.NI-1	XF22S:02-2
2	0.5	2050	411.NI-3	XB22S-10

***411.OA SUB D 15 PIN**

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	0.5	3005A	411.OA-2	XF22S:03-25
2	0.5	2540A	411.OA-3	XF22S:03-11
3	0.5	3034A	411.OA-4	XF22S:03-27
4	0.5	2050	411.OA-8	XB22S-10
5	0.5	2069A	411.OA-11	XF22S:02-1/3
6	0.5	3035A	411.OA-12	XF22S:03-28
7	0.5	4202	411.OA-15	XF22S:01-34
8	0.5	2896	411.OA-10	XF22S:02-1/6
9	0.5	5671B	411.OA-1	XF22S:02-51
10	0.5	2500A	411.OA-9	XF22S:02-17

***411.OD SUB D 15 PIN**

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	0.5	3033A	411.OD-1	XF22S:02-1/1
2	0.5	2527A	411.OD-2	XF22S:03-9

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3	0.5	2521A	411.OD-3	XF22S:02-23
4	0.5	2323A	411.OD-4	XF22S:02-25
5	0.5	2050	411.OD-8	XB22S-10
6	0.5	2525A	411.OD-9	XF22S:03-7
7	0.5	2520A	411.OD-10	XF22S:02-22
8	0.5	2522A	411.OD-11	XF22S:02-24
9	0.5	5671A	411.OD-12	XF22S:03-1/4
10	0.5	4202	411.OD-15	XF22S:01-35

***411.OG SUB D 25 PIN**

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	0.5	2099A	411.OG-2	XF22S:02-7
2	0.5	4237A	411.OG-3	XF22S:03-1/2
3	0.5	2099A	411.OG-7	XF22S:02-08
4	0.5	2099A	411.OG-15	XF22S:02-08
5	0.5	5672A	411.OG-19	XF22S:03-1/5
6	0.5	5673A	411.OG-20	XF22S:03-1/6
7	0.5	4239A	411.OG-14	XF22S:02-45

***411.OJ SUB D 15 PIN**

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	0.5	4202	411.OJ-2	XF22S:01-35
2	0.5	2519	411.OJ-3	XF22S:0-16
3	0.5	3115	411.OJ-9	XF22S:01-23
4	0.5	4202	411.OJ-10	XF22S:01-36

***411.QA SUB D 15 PIN**

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	0.5	2854	411.QA-1	XF22S:01-18
2	0.5	2853A	411.QA-2	XF22S:03-21
3	0.5	2857A	411.QA-3	XF22S:03-24
4	0.5	2850A	411.QA-4	XF22S:03-18
5	0.5	2050	411.QA-8	XB22S-10
6	0.5	2855A	411.QA-9	XF22S:03-22
7	0.5	2852A	411.QA-10	XF22S:03-20
8	0.5	2856A	411.QA-11	XF22S:03-23
9	0.5	2851A	411.QA-12	XF22S:03-19
10	0.5	4202	411.QA-15	XF22S:01-36

***411.QD SUB D 15 PIN**

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	0.5	2859	411.QD-1	XF22S:01-19
2	0.5	2330B	411.QD-2	XF22S:02-13

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3	0.5	2869	411.QD-3	XF22S:01-20
4	0.5	4202	411.QD-4	XF22S:01-37
5	0.5	2050	411.QD-8	XB22S-11
6	0.5	2312	411.QD-10	XF22S:01-3
7	0.5	4202	411.QD-15	XF22S:01-37
8	0.5	2870	411.QD-11	89.7-B
9	0.5	5675	411.QD-12	152-2
<u>For WAP 7 & 5 Only</u>				
10	0.5	2860	411.QD-9	XF22S:03-56

***411.QJ SUB D 15 PIN**

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	0.5	2313A	411.QJ-1	XF22S:02-11
2	0.5	2325	411.QJ-4	XF22S:01-7
3	0.5	2329	411.QJ-6	XF22S:03-38
4	0.5	2316	411.QJ-9	XF22S:01-5
5	0.5	4202	411.QJ-10	XF22S:01-37
6	0.5	2326	411.QJ-12	XF22S:01-8
7	0.5	2320	411.QJ-13	XF22S:03-37
8	0.5	2509	411.QJ-3	XF22S:02-46

***411.XI SUB D 9 PIN**

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	0.5	4201	411.XI-2	XF22S:01-27
2	0.5	2050	411.XI-3	XB22S-5
3	0.5	4201	411.XI-6	XF22S:01-27

***411.XG SUB D 9 PIN**

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	0.5	5501	411.XG-1	381.7H-1
2	0.5	5502	411.XG-2	381.7H-2
3	0.5	5503	411.XG-3	381.7H-3
4	0.5	5504	411.XG-4	381.7H-4
5	0.5	5505	411.XG-5	381.7H-5
6	0.5	5506	411.XG-6	381.7H-6
7	0.5	5507	411.XG-7	381.7H-7
8	0.5	5508	411.XG-8	381.7H-8
9	0.5	5509	411.XG-9	381.7H-9
10	0.5	5511	411.XG-QE	381.7H-QE

***381.7H SUB D 9 PIN**

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Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	0.5	5501	381.7H-1	411.XG-1
2	0.5	5502	381.7H-2	411.XG-2
3	0.5	5503	381.7H-3	411.XG-3
4	0.5	5504	381.7H-4	411.XG-4
5	0.5	5505	381.7H-5	411.XG-5
6	0.5	5506	381.7H-6	411.XG-6
7	0.5	5507	381.7H-7	411.XG-7
8	0.5	5508	381.7H-8	411.XG-8
9	0.5	5509	381.7H-9	411.XG-9
10	0.5	5511	381.7H-QE	411.XG-QE

381.7F SUB D 9 PIN

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	0.5	U10A	381.7F-2	XF22S:02-37
2	0.5	U11A	381.7F-3	XF22S:02-38
3	0.5	U11A	381.7F-4	XF22S:02-38
4	0.5	U10B	381.7F-6	XF22S:02-40
5	0.5	U10B	381.7F-7	XF22S:02-40
6	0.5	U11B	381.7F-8	XF22S:02-41
7	0.5	U11B	381.7F-9	XF22S:02-41
8	0.5	U13A (SHIELD)	381.7F-10	XF22S:02-39
9	0.5	U10A	381.7F-1	XF22S:02-37
10	0.5	U10A	381.7F-5	XF22S:02-44

381.7D SUB D 4 PIN

Sl. No.	Cable Cross Section	Cable no.	Connection From	Connection To
1	0.5	4201	381.7D-1	XF22S:01-29
2	0.5	4201	381.7D-2	XF22S:01-29
3	0.5	2050	381.7D-4	XB22S:02-8
4	0.5	2050	381.7D-5	XB22S:02-8

*** Sub-D Connectors along with related Cabling are to be deleted from the scope of supply as per Dy.CEE/D&D letter no.C-D&D /T/42 dated.14.06.2021**

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