

1.1.1 Line Number

The following designations are used for the line number:

- T: tip
- R: ring
- NC: not connected (no pin available in the cable)
- U: unused in this configuration case

1.2 Wiring List for 7363 ISAM MX MDF and Combo Cable

This section describes the wiring list for the 7363 ISAM MX MDF and combo cable connectors that have 96 pins, i.e. 2 connector heads of 48 pins to service a maximum of 32 lines (32 pairs).

Figure 86 7363 ISAM MX MDF Cable Connector

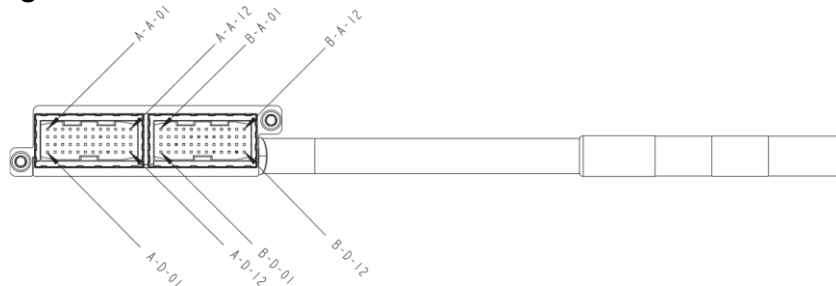


Figure 87 7363 ISAM MX Combo Cable Connectors

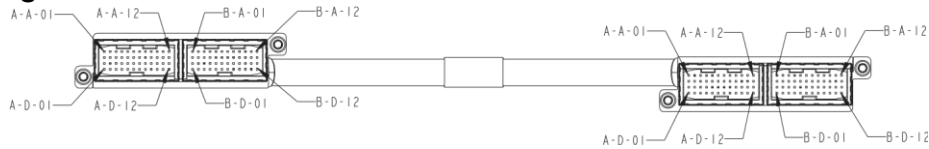


Table 33 gives the pin mapping for the 32 lines cables (3FE 68460 xx & 3FE 68461 AA) in case the board is in 32p mode (default for RDLT-B, RDLT-C and RDLS-A and standard for RDLT-D/E).

Table 34 gives the pin mapping for these same cables in case the board (RDLT-B/C or RDLS-A) is configured in 16p mode (for support of VDSL2 profile 35b).



Note — Although it is perfectly possible to use the 32 lines MDF cable in case of 16p configuration, it needs to be clear that in this case the wire colors don't match the physical line numbers as documented in IEC 60189-2 Appendix A.

Using the 16p lines MDF cable solves this issue, see Table 35.

Table 35 gives the pin mapping for the 16 lines G.fast MDF cable (3FE 73180 xx) using a 16 lines raw cable thus only connecting the first 16 lines of the 32p connector. **Table 33 Wiring List for 32 lines MDF Cable Connector (in 32p mode)**

Pin	Line Number	Connector Pin (connector-row-column)	Color
01	01 R	A-A-01	BL
02	01 T	A-A-02	WH
03	NC	A-A-03	
04	05 R	A-A-04	GY
05	05 T	A-A-05	WH
06	NC	A-A-06	
07	02 R	A-A-07	OR
08	02 T	A-A-08	WH
09	NC	A-A-09	
10	06 R	A-A-10	BL
11	06 T	A-A-11	RD
12	NC	A-A-12	
13	NC	A-B-01	
14	03 R	A-B-02	GN
15	03 T	A-B-03	WH
16	NC	A-B-04	
17	07 R	A-B-05	OR
18	07 T	A-B-06	RD
19	NC	A-B-07	
20	04 R	A-B-08	BN
21	04 T	A-B-09	WH
22	NC	A-B-10	
23	08 R	A-B-11	GN
24	08 T	A-B-12	RD

(1 of 4)

Pin	Line Number	Connector Pin (connector-row-column)	Color
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25	09 R	A-C-01	BN
26	09 T	A-C-02	RD
27	NC	A-C-03	
28	13 R	A-C-04	GN
29	13 T	A-C-05	BK
30	NC	A-C-06	
31	10 R	A-C-07	GY
32	10 T	A-C-08	RD
33	NC	A-C-09	
34	14 R	A-C-10	BN
35	14 T	A-C-11	BK
36	NC	A-C-12	
37	NC	A-D-01	
38	11 R	A-D-02	BL
39	11 T	A-D-03	BK
40	NC	A-D-04	
41	15 R	A-D-05	GY
42	15 T	A-D-06	BK
43	NC	A-D-07	
44	12 R	A-D-08	OR
45	12 T	A-D-09	BK
46	NC	A-D-10	
47	16 R	A-D-11	BL
48	16 T	A-D-12	YE
49	17 R	B-A-01	OR
50	17 T	B-A-02	YE
51	NC	B-A-03	
52	21 R	B-A-04	BL
53	21 T	B-A-05	WH-BL
54	NC	B-A-06	
55	18 R	B-A-07	GN
56	18 T	B-A-08	YE

57	NC	B-A-09	
58	22 R	B-A-10	OR

(2 of 4)

Pin	Line Number	Connector Pin (connector-row-column)	Color
59	22 T	B-A-11	WH-BL
60	NC	B-A-12	
61	NC	B-B-01	
62	19 R	B-B-02	BN
63	19 T	B-B-03	YE
64	NC	B-B-04	
65	23 R	B-B-05	GN
66	23 T	B-B-06	WH-BL
67	NC	B-B-07	
68	20 R	B-B-08	GY
69	20 T	B-B-09	YE
70	NC	B-B-10	
71	24 R	B-B-11	BN
72	24 T	B-B-12	WH-BL
73	25 R	B-C-01	GY
74	25 T	B-C-02	WH-BL
75	NC	B-C-03	
76	29 R	B-C-04	BN
77	29 T	B-C-05	RD-BL
78	NC	B-C-06	
79	26 R	B-C-07	BL
80	26 T	B-C-08	RD-BL
81	NC	B-C-09	
82	30 R	B-C-10	GY
83	30 T	B-C-11	RD-BL
84	NC	B-C-12	
85	NC	B-D-01	

86	27 R	B-D-02	OR
87	27 T	B-D-03	RD-BL
88	NC	B-D-04	
89	31 R	B-D-05	BL
90	31 T	B-D-06	BL-BK
91	NC	B-D-07	
92	28 R	B-D-08	GR

(3 of 4)

Pin	Line Number	Connector Pin (connector-row-column)	Color
93	28 T	B-D-09	RD-BL
94	NC	B-D-10	
95	32 R	B-D-11	OR
96	32 T	B-D-12	BL-BK

(4 of 4)

Table 34 **Wiring List for 32 lines MDF Cable Connector (in 16p configured mode)**

Pin	Line Number	Connector Pin (connector-row-column)	Color
01	01 R	A-A-01	BL
02	01 T	A-A-02	WH
03	NC	A-A-03	
04	U	A-A-04	GY
05	U	A-A-05	WH
06	NC	A-A-06	
07	02 R	A-A-07	OR
08	02 T	A-A-08	WH
09	NC	A-A-09	
10	U	A-A-10	BL
11	U	A-A-11	RD
12	NC	A-A-12	
13	NC	A-B-01	
14	03 R	A-B-02	GN

15	03 T	A-B-03	WH
16	NC	A-B-04	
17	U	A-B-05	OR
18	U	A-B-06	RD
19	NC	A-B-07	
20	04 R	A-B-08	BN
21	04 T	A-B-09	WH
22	NC	A-B-10	
23	U	A-B-11	GN
24	U	A-B-12	RD

(1 of 4)

Pin	Line Number	Connector Pin (connector-row-column)	Color
25	U	A-C-01	BN
26	U	A-C-02	RD
27	NC	A-C-03	
28	13 R	A-C-04	GN
29	13 T	A-C-05	BK
30	NC	A-C-06	
31	U	A-C-07	GY
32	U	A-C-08	RD
33	NC	A-C-09	
34	14 R	A-C-10	BN
35	14 T	A-C-11	BK
36	NC	A-C-12	
37	NC	A-D-01	
38	U	A-D-02	BL
39	U	A-D-03	BK
40	NC	A-D-04	
41	15 R	A-D-05	GY
42	15 T	A-D-06	BK
43	NC	A-D-07	

44	U	A-D-08	OR
45	U	A-D-09	BK
46	NC	A-D-10	
47	16 R	A-D-11	BL
48	16 T	A-D-12	YE
49	U	B-A-01	OR
50	U	B-A-02	YE
51	NC	B-A-03	
52	05 R	B-A-04	BL
53	05 T	B-A-05	WH-BL
54	NC	B-A-06	
55	U	B-A-07	GN
56	U	B-A-08	YE
57	NC	B-A-09	
58	06 R	B-A-10	OR

(2 of 4)

Pin	Line Number	Connector Pin (connector-row-column)	Color
59	06 T	B-A-11	WH-BL
60	NC	B-A-12	
61	NC	B-B-01	
62	U	B-B-02	BN
63	U	B-B-03	YE
64	NC	B-B-04	
65	07 R	B-B-05	GN
66	07 T	B-B-06	WH-BL
67	NC	B-B-07	
68	U	B-B-08	GY
69	U	B-B-09	YE
70	NC	B-B-10	
71	08 R	B-B-11	BN
72	08 T	B-B-12	WH-BL

73	09 R	B-C-01	GY
74	09 T	B-C-02	WH-BL
75	NC	B-C-03	
76	U	B-C-04	BN
77	U	B-C-05	RD-BL
78	NC	B-C-06	
79	10 R	B-C-07	BL
80	10 T	B-C-08	RD-BL
81	NC	B-C-09	
82	U	B-C-10	GY
83	U	B-C-11	RD-BL
84	NC	B-C-12	
85	NC	B-D-01	
86	11 R	B-D-02	OR
87	11 T	B-D-03	RD-BL
88	NC	B-D-04	
89	U	B-D-05	BL
90	U	B-D-06	BK-BL
91	NC	B-D-07	
92	12 R	B-D-08	GR

(3 of 4)

Pin	Line Number	Connector Pin (connector-row-column)	Color
93	12 T	B-D-09	RD-BL
94	NC	B-D-10	
95	U	B-D-11	OR
96	U	B-D-12	BK-BL

(4 of 4)

Table 35 Wiring List for 16 lines G.fast MDF Cable Connector

Pin	Line Number	Connector Pin (connector-row-column)	Color
01	01 R	A-A-01	BL
02	01 T	A-A-02	WH

03	NC	A-A-03	
04	05 R	A-A-04	GY
05	05 T	A-A-05	WH
06	NC	A-A-06	
07	02 R	A-A-07	OR
08	02 T	A-A-08	WH
09	NC	A-A-09	
10	06 R	A-A-10	BL
11	06 T	A-A-11	RD
12	NC	A-A-12	
13	NC	A-B-01	
14	03 R	A-B-02	GN
15	03 T	A-B-03	WH
16	NC	A-B-04	
17	07 R	A-B-05	OR
18	07 T	A-B-06	RD
19	NC	A-B-07	
20	04 R	A-B-08	BN
21	04 T	A-B-09	WH
22	NC	A-B-10	
23	08 R	A-B-11	GN
24	08 T	A-B-12	RD
25	09 R	A-C-01	BN

(1 of 4)

Pin	Line Number	Connector Pin (connector-row-column)	Color
26	09 T	A-C-02	RD
27	NC	A-C-03	
28	13 R	A-C-04	GN
29	13 T	A-C-05	BK
30	NC	A-C-06	
31	10 R	A-C-07	GY

32	10 T	A-C-08	RD
33	NC	A-C-09	
34	14 R	A-C-10	BN
35	14 T	A-C-11	BK
36	NC	A-C-12	
37	11 R	A-D-01	BL
38	11 T	A-D-02	BK
39	NC	A-D-03	
40	NC	A-D-04	
41	15 R	A-D-05	GY
42	15 T	A-D-06	BK
43	NC	A-D-07	
44	12 R	A-D-08	OR
45	12 T	A-D-09	BK
46	NC	A-D-10	
47	16 R	A-D-11	BL
48	16 T	A-D-12	YE
49	NC	B-A-01	
50	NC	B-A-02	
51	NC	B-A-03	
52	NC	B-A-04	
53	NC	B-A-05	
54	NC	B-A-06	
55	NC	B-A-07	
56	NC	B-A-08	
57	NC	B-A-09	
58	NC	B-A-10	
59	NC	B-A-11	

(2 of 4)

Pin	Line Number	Connector Pin (connector-row-column)	Color
60	NC	B-A-12	

61	NC	B-B-01	
62	NC	B-B-02	
63	NC	B-B-03	
64	NC	B-B-04	
65	NC	B-B-05	
66	NC	B-B-06	
67	NC	B-B-07	
68	NC	B-B-08	
69	NC	B-B-09	
70	NC	B-B-10	
71	NC	B-B-11	
72	NC	B-B-12	
73	NC	B-C-01	
74	NC	B-C-02	
75	NC	B-C-03	
76	NC	B-C-04	
77	NC	B-C-05	
78	NC	B-C-06	
79	NC	B-C-07	
80	NC	B-C-08	
81	NC	B-C-09	
82	NC	B-C-10	
83	NC	B-C-11	
84	NC	B-C-12	
85	NC	B-D-01	
86	NC	B-D-02	
87	NC	B-D-03	
88	NC	B-D-04	
89	NC	B-D-05	
90	NC	B-D-06	
91	NC	B-D-07	
92	NC	B-D-08	

93	NC	B-D-09	BK
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(3 of 4)

Pin	Line Number	Connector Pin (connector-row-column)	Color
94	NC	B-D-10	
95	NC	B-D-11	
96	NC	B-D-12	

(4 of 4)

