

# CABLE ASSEMBLIES INDEX



### F Series

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### Caution

Before use, be sure to read the "Safety Precautions" on p. 31.

# F Series Split Type Manifold, Plug-in Type Cable Assembly by Wiring Specification

Dedicated cable assemblies are provided for the various wiring specifications.

## Order Codes

FMA -  -  -

### Types of dedicated cables

- 100W : dedicated cable assembly for -F100
- 101W : dedicated cable assembly for -F101
- 200W : dedicated cable assembly for -F200
- 201W : dedicated cable assembly for -F201
- 260W : dedicated cable assembly for -F260
- 250W : dedicated cable assembly for -D250
- 251W : dedicated cable assembly for -D251

### Lead wire end processing

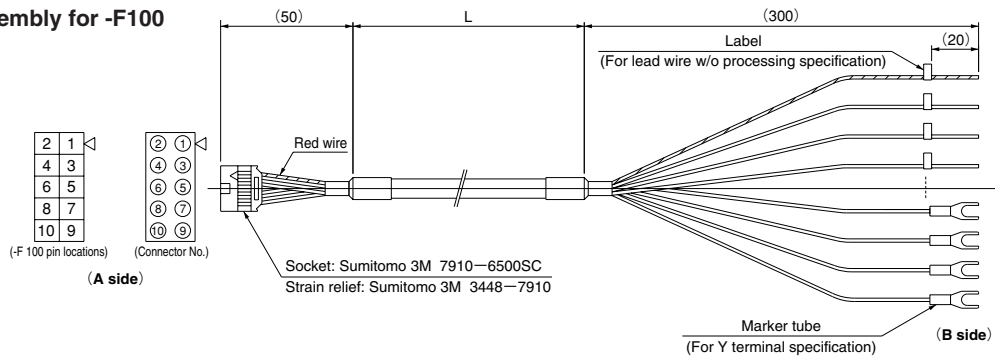
- Blank : Lead wire w/o processing  
[With dedicated label/No. indication]
- Y : Y terminal (M3.5)  
[With marker tube/No. indication]

Cable length (m) : 0.5~5.0 (Enter by the 0.5m pitch)  
 ※ Used cable: UL STYLE NO.20266 150V 80°C [176°F]  
 AWG28(7/0.127 [cables/mm])

**Note: Always perform wiring correctly, with confirmation of the pin locations, connector numbers, label numbers, marker tube numbers, etc.**

### ● Dedicated Cable Assembly for -F100

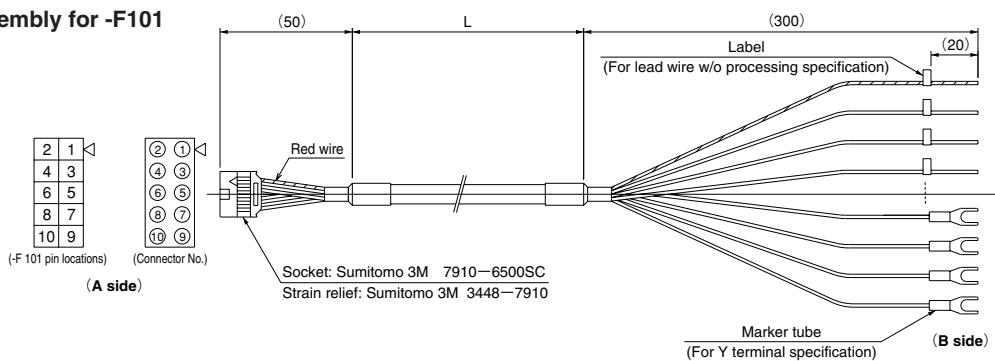
FMA-100W--



A side	-F100 pin locations	1	2	3	4	5	6	7	8	9	10
	Connector No.	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩
B side	Label, marker tube No.	1	2	3	4	5	6	7	8	COM	COM

### ● Dedicated Cable Assembly for -F101

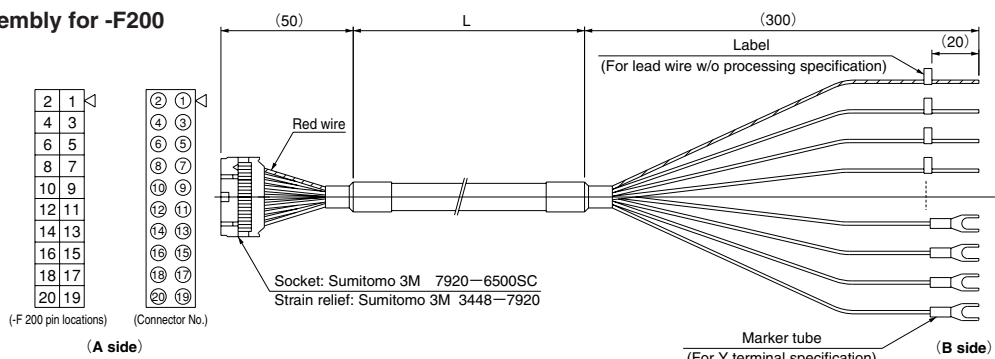
FMA-101W--



A side	-F101 pin locations	1	2	3	4	5	6	7	8	9	10
	Connector No.	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩
B side	Label, marker tube No.	1	2	3	4	5	6	7	8	-	+

### ● Dedicated Cable Assembly for -F200

FMA-200W--



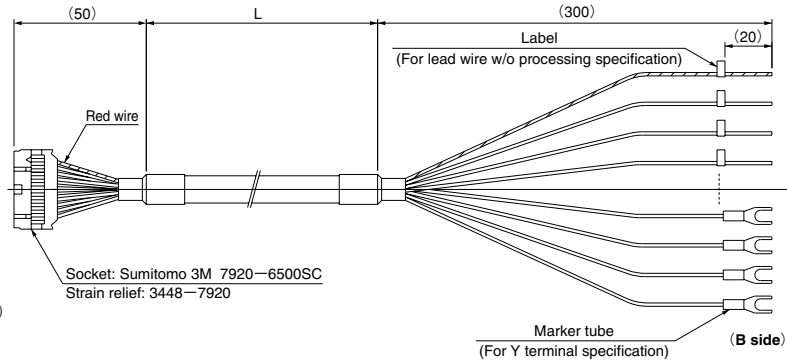
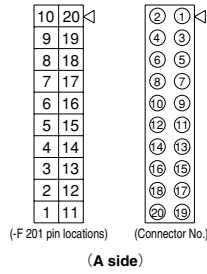
A side	-F200 pin locations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	Connector No.	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰	⑱	⑲	⑲
B side	Label, marker tube No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	-	-	+	+

# F Series Split Type Manifold, Plug-in Type Cable Assembly by Wiring Specification

## ● Dedicated Cable Assembly for -F201

FMA-201W-□-□

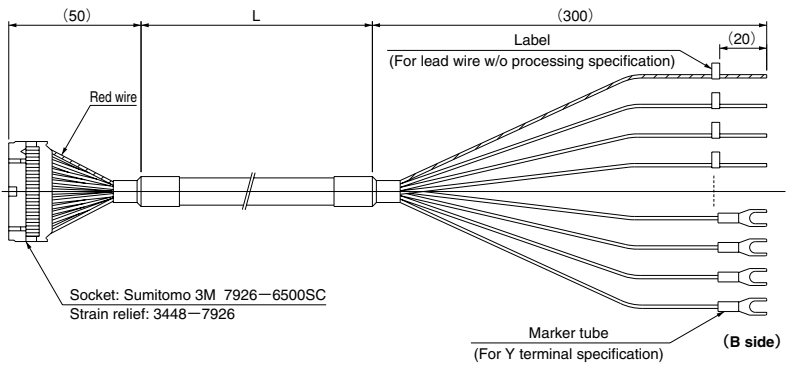
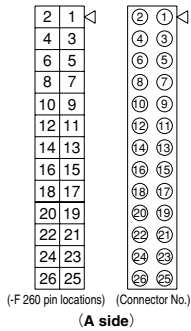
Note: Note that the pin location numbers and connector numbers sometimes do not match.



A side	-F201 pin locations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	Connector No.	20	18	16	14	12	10	8	6	4	2	19	17	15	13	11	9	7	5	3	1
B side	Label, marker tube No.	1	2	3	4	5	6	7	8	-	+	9	10	11	12	13	14	15	16	-	+

## ● Dedicated Cable Assembly for -F260

FMA-260W-□-□

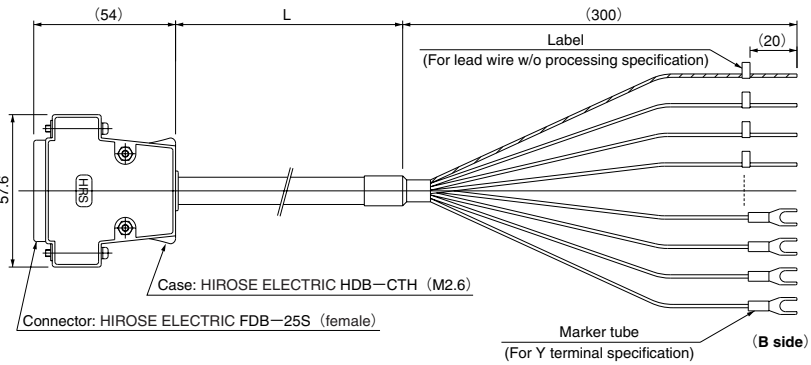
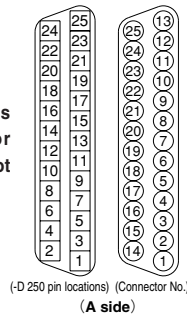


A side	-F260 pin locations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	Connector No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
B side	Label, marker tube No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	/	/	-	-	+	+

## ● Dedicated Cable Assembly for -D250

FMA-250W-□-□

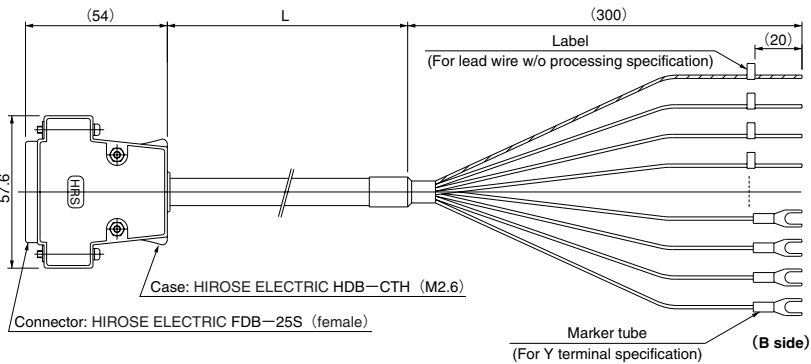
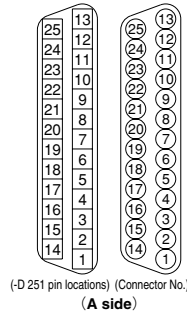
Note: Note that the pin locations numbers and connector numbers sometimes do not match.



A side	-D250 pin locations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
	Connector No.	1	14	2	15	3	16	4	17	5	18	6	19	7	20	8	21	9	22	10	23	11	24	12	25	13
B side	Label, marker tube No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	/	/	/	-	-	-	+	+	+

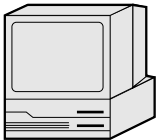
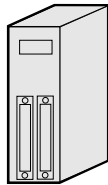
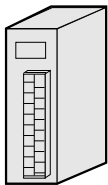





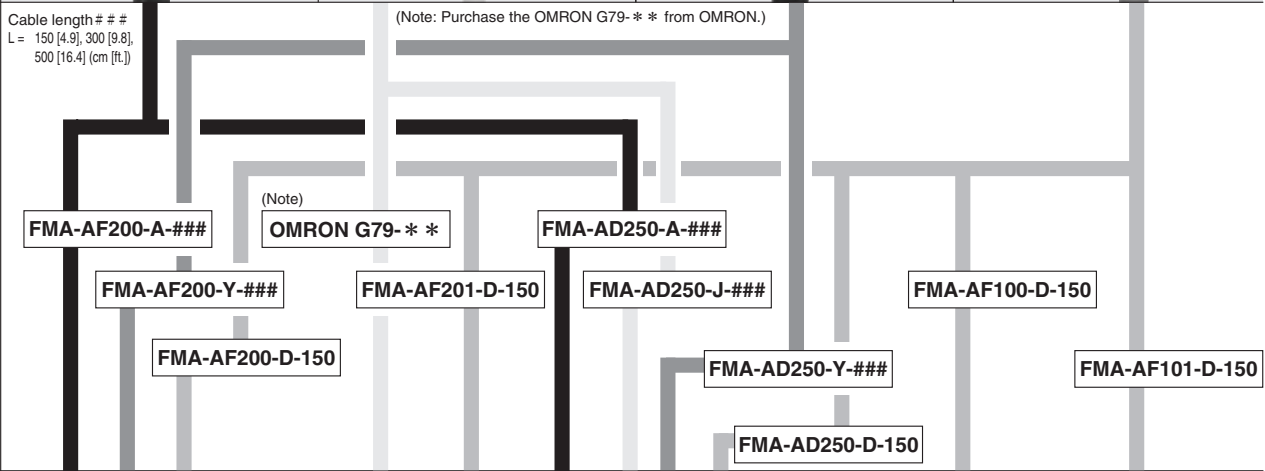


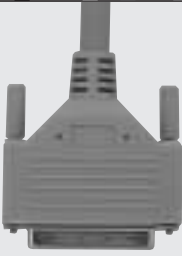
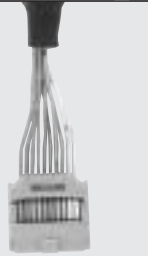





## ● Dedicated Cable Assembly for -D251

FMA-251W-□-□

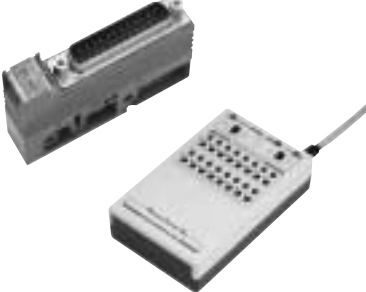







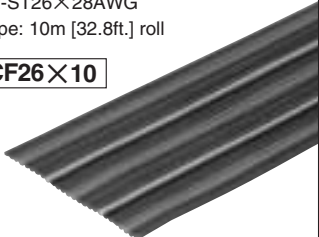
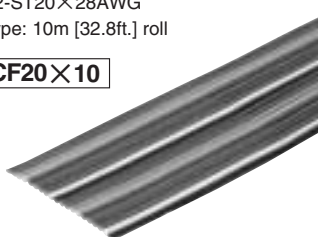
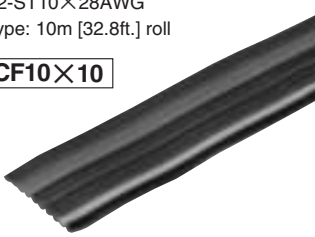
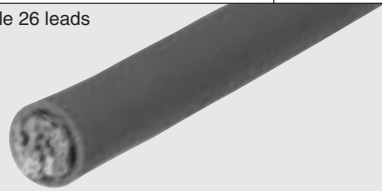


A side	-D251 pin locations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
	Connector No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
B side	Label, marker tube No.	1	2	3	4	5	6	7	8	9	10	/	/	11	12	13	14	15	16	17	18	19	20	+	+	

# X80M, X88M Series Applicable Cable Assembly Map

Control side					
Connection devices	Connectors Output type 	Connector type output card 	Terminal block output card PC terminal output 	Remote control box Connection cable for FMA-RCB16D only 	
Connection type	● <b>AWG28</b> With numbering 	● <b>FUJITSU360 connector 24P</b> FCN361J-024-AU connector FCN360C-024-B cover 	● <b>M3.5(MAX)</b> With numbering 	● <b>D-sub connector 25P</b> 	
Order Code	<p>Cable length # # # L = 150 [4.9], 300 [9.8], 500 [16.4] (cm [ft.])</p> <p>(Note: Purchase the OMRON G79- * * from OMRON.)</p> <p>(Note)</p>  <p>Order Code: FMA-AF200-A-###, FMA-AF200-Y-###, FMA-AF200-D-150, FMA-AF201-D-150, FMA-AD250-A-###, FMA-AD250-J-###, FMA-AD250-Y-###, FMA-AD250-D-150, FMA-AF100-D-150, FMA-AF101-D-150</p>				
Connection type					
Connection module	<p>※ The photo shows X80M series.</p>  <p>FM-SOLID MANIFOLD Wiring module FMC-R-F200-DC □ V FMC-F200-DC □ V ● Flat cable connector 20P</p>	<p>※ The photo shows X80M series.</p>  <p>FM-SOLID MANIFOLD Wiring module FMC-R-F201-DC □ V FMC-F201-DC □ V ● Flat cable connector 20P</p>	<p>※ The photo shows X80M series.</p>  <p>FM-SOLID MANIFOLD Wiring module FMC-R-D250-M2.6-DC □ V FMC-R-G250-M2.6-DC □ V FMC-D250-M2.6-DC □ V ● D-sub connector 25P</p>	 <p>FM-SOLID MANIFOLD Wiring module FMC-R-F100-DC □ V ● Flat cable connector 10P</p>	 <p>FM-SOLID MANIFOLD Wiring module FMC-R-F101-DC □ V ● Flat cable connector 10P</p>
Operation side					

# X80M, X88M Series Applicable Connector Cable Map

	D-sub connector 25P	Flat cable connector 20P	Flat cable connector 10P
Connection type	<p>※ The photo shows X80M series.</p> 	<p>※ The photo shows X80M series.</p> 	
Crimping type	<p>Made by Japan Aviation Electronics Industry MIL-C-24308 standard conformity Socket: DBSP-JB25S Strain relief: DBSP-SR</p> <p><b>FMA-BD25SA</b></p> 	<p>Made by Sumitomo 3M Socket: 7920-6500SC Strain relief: 3448-7920</p> <p><b>FMA-BF20SA</b></p>  <p>One set included in the wiring module</p>	<p>Made by Sumitomo 3M Socket: 7910-6500SC Strain relief: 3448-7910</p> <p><b>FMA-BF10SA</b></p>  <p>One set included in the wiring module</p>
Solder type	<p>Made by Japan Aviation Electronics Industry MIL-C-24308 standard conformity Socket: DB-25S - N</p> <p><b>FMA-BD25SH</b></p> 	<p>_____</p>	<p>_____</p>
Solder with shell type	<p>Made by Japan Aviation Electronics Industry MIL-C-24308 standard conformity Socket: DB-25S-N Junction shell: DB-C2-J9-□</p> <p><b>FMA-BD25SS-M3, -M2.6, -UNC</b></p> 	<p>_____</p>	<p>_____</p>
Flat cable	<p>Made by Hitachi Cable, Flat cable 26 leads UL-20012-ST26×28AWG Ribbon type: 10m [32.8ft.] roll</p> <p><b>FMA-CF26×10</b></p> 	<p>Made by Hitachi Cable, Flat cable 20 leads UL-20012-ST20×28AWG Ribbon type: 10m [32.8ft.] roll</p> <p><b>FMA-CF20×10</b></p> 	<p>Made by Hitachi Cable, Flat cable 10 leads UL-20012-ST10×28AWG Ribbon type: 10m [32.8ft.] roll</p> <p><b>FMA-CF10×10</b></p> 
Round cable	<p>Made by Hitachi Cable, Round cable 26 leads UL-2464-SB (MA) -13P×28AWG MA cable: 10m [32.8ft.] roll</p> <p><b>FMA-CR26×10</b></p> 		

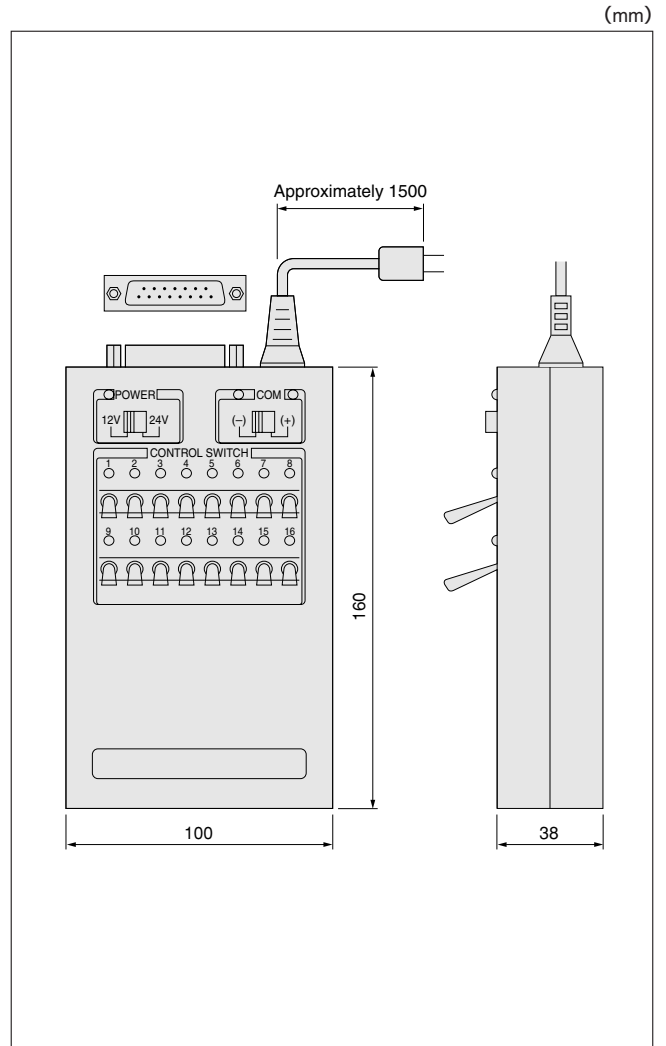
## X80M, X88M Series Remote Control Box



Order code	: <b>FMA-RCB16D</b>
Input voltage	: AC100V
Rated output	: DC12V/DC24V (selected by switch) 1.3A(MAX)(Both DC12V and DC24V can operate up to 16 solenoids)
Common	: Positive/Negative (selected by switch)
Output points	: 16-output alternate (holding type)
Outside connection	: D-sub connector 25P
Others	: Operation indication LED Dedicated cable to be ordered separately (Order code: <b>FMA-AF200-D-150, FMA-AF201-D-150, FMA-AD250-D-150, FMA-AF100-D-150, FMA-AF101-D-150</b> , Cable length: 1500mm [59in.])

### Applications and Features:

- Used with connection to the collective wiring connector.
- When engaged in unit debugging, the solenoid valve can be turned ON/OFF electrically by remote control, in place of the conventional manual override.
- The built-in power supply enables direct drive of the DC solenoid from the AC outlet.



**Remark: Various cable assemblies are available in the PC Wiring System. For details, see p.984.**