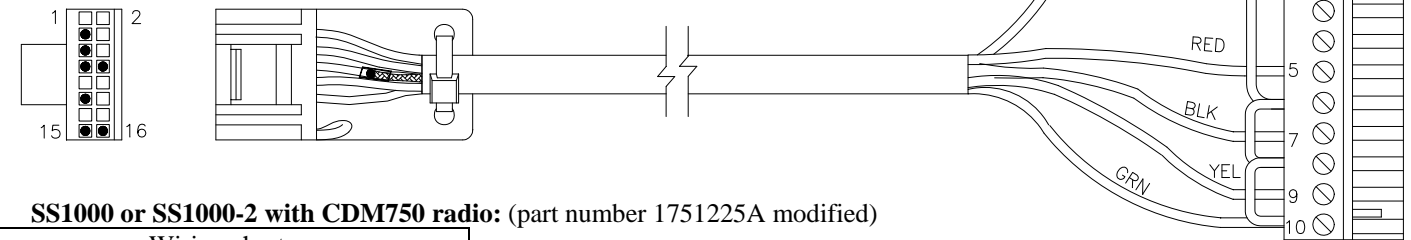


Typical Radio Interface drawings

- I. Purpose:** The purpose of this document is to show the typical radio interface drawings for the various siren controllers and encoders: SS1000, SS1000-2, SS2000, SS2000T, SS2000D, DCFCT, DCFCTB, FCT, FCTB, MCPT, UVT, Q-MC
- II. Qualifications:** Service of the siren controllers must be performed by a properly trained technician.
- III. Precautions:** Electrical and ESD precautions must be followed.
Note: The wire colors and pin designations are as of the origination date of the writing of this document. All are subject to change.
- IV. SS1000 or SS1000-2 with M1225 or GM300 radio:** (part number 175854A)

Wiring chart				
P1	TB2	TB1	Color	Functions
3		10	Blue	PTT
5	5		Red	TX
8	9		Yellow	CD
7	10		Green	GND
11	7		Black	RX

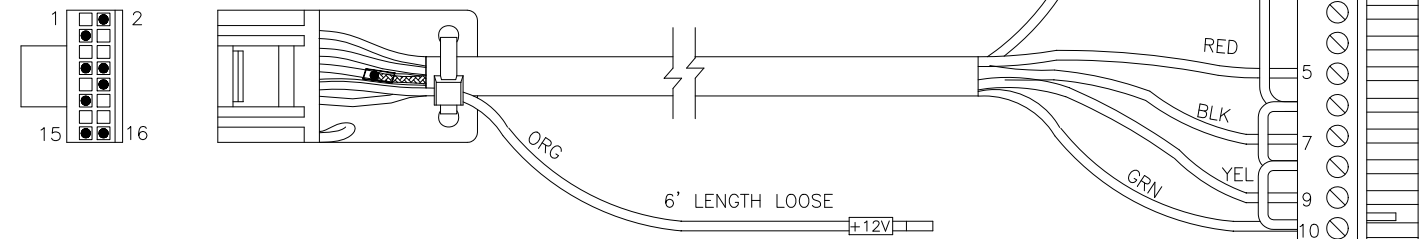
P1 - CABLE SIDE



V. SS1000 or SS1000-2 with CDM750 radio: (part number 1751225A modified)

Wiring chart				
P1	TB2	TB1	Color	Functions
3		10	Blue	PTT
2	5		Red	TX
8	9		Yellow	CD
7	10		Green	GND
11	7		Black	RX
10	Cut		Orange	Ignition Sense
15			Black	Speaker Enable
16				

P1 - CABLE SIDE

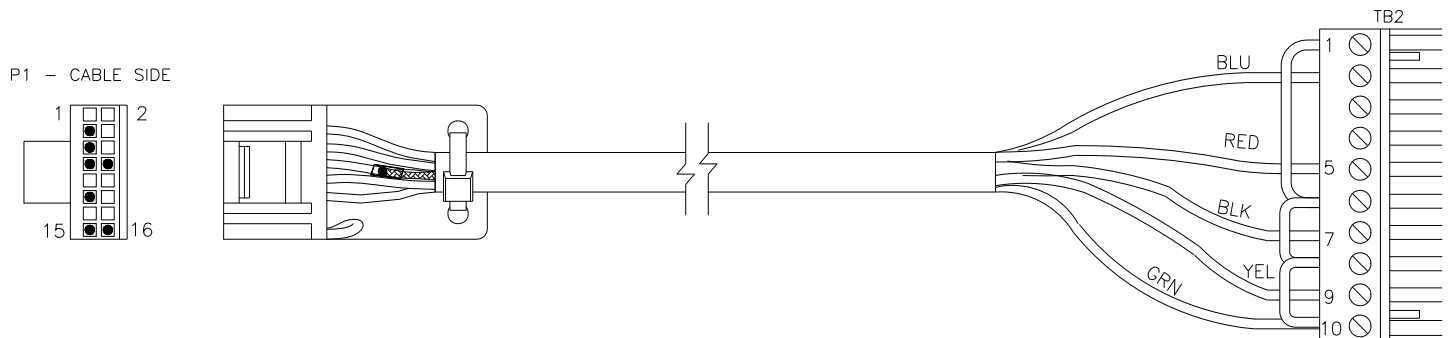


FOR REFERENCE ONLY					SIGNAL DIVISION			
					Federal Signal Corporation 2645 FEDERAL SIGNAL DRIVE - UNIVERSITY PARK, IL 60466			
B	REL TO PROCEDURE	9/13/07	GSA	DRAWN BY:	GSA	CHKD. BY:	GSA	SHEET
A	REL TO PROCEDURE	11/16/05	GSA	DATE:	9/13/07	DATE:	9/13/07	1 OF 7
REV	CHANGE	DATE	BY			DATE:	9/13/07	1 OF 7
NAME:	Typical Radio Interface drawings					DRAWING NUMBER:		P00087

VI. SS2000, SS2000T or SS2000D with M1225 or GM300 radio: (part number 175854B)

WIRING CHART

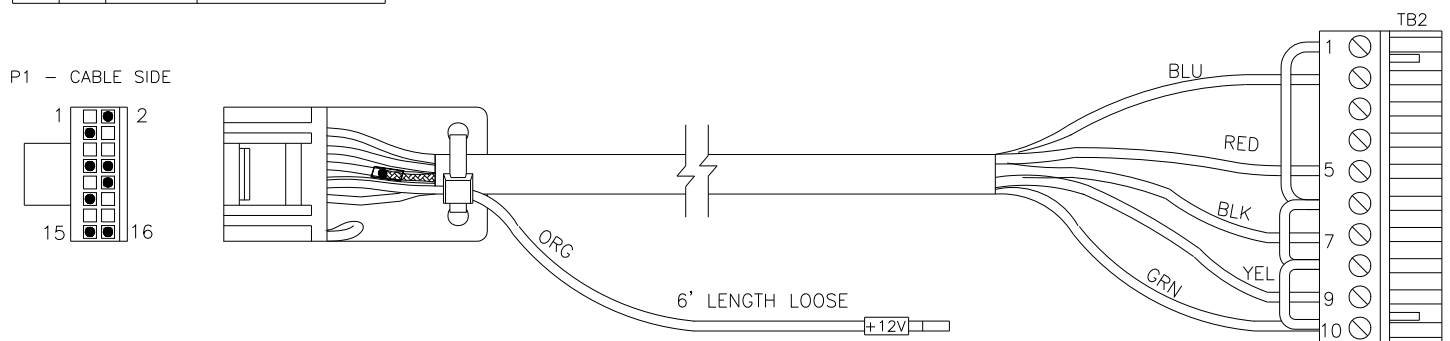
P1	TB2	COLOR	FUNCTIONS
3	2	BLUE	PTT
5	5	RED	TX
8	9	YELLOW	CD
7	10	GREEN	GND
11	7	BLACK	RX




VII. SS2000, SS2000T or SS2000D with CDM750 radio: (part number 1751225A)

WIRING CHART

P1	TB2	COLOR	FUNCTION
3	2	BLUE	PTT
2	5	RED	TX AUDIO
8	9	YELLOW	C.D.
7	10	GREEN	GND
11	7	BLACK	RX AUDIO
10	CUT	ORANGE	IGNITION SENSE
15		BLACK	JUMPER
16			

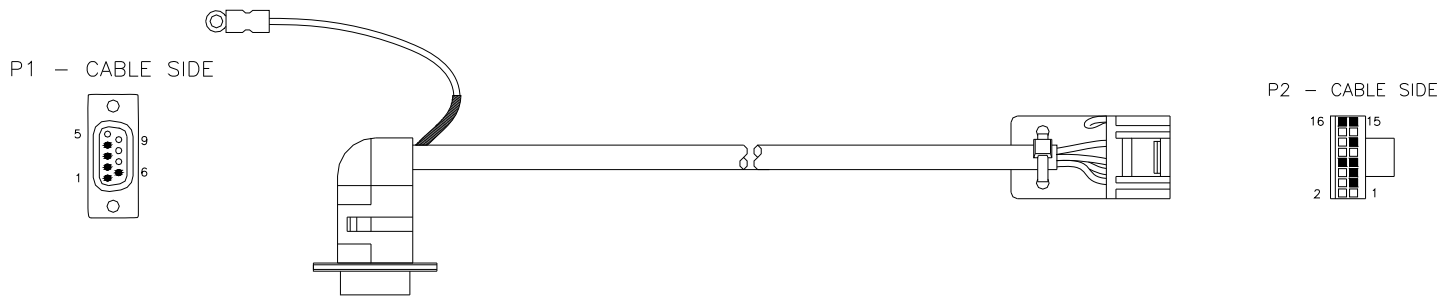


FOR REFERENCE ONLY					SIGNAL DIVISION				
B	REL TO PROCEDURE	9/13/07	GSA		Federal Signal Corporation 2645 FEDERAL SIGNAL DRIVE - UNIVERSITY PARK, IL 60466				
A	REL TO PROCEDURE	11/16/05	GSA	DRAWN BY:	GSA	CHKD. BY:	GSA	SHEET	
REV	CHANGE	DATE	BY	DATE:	9/13/07	DATE:	9/13/07	2 OF 7	
NAME:	Typical Radio Interface drawings					DRAWING NUMBER:		P00087	

VIII. DCFCT, DCFCTB, FCT, or FCTB with M1225 or GM300 radio: (part number 1751114A)(1751114A replaced 175874A)

WIRING CHART

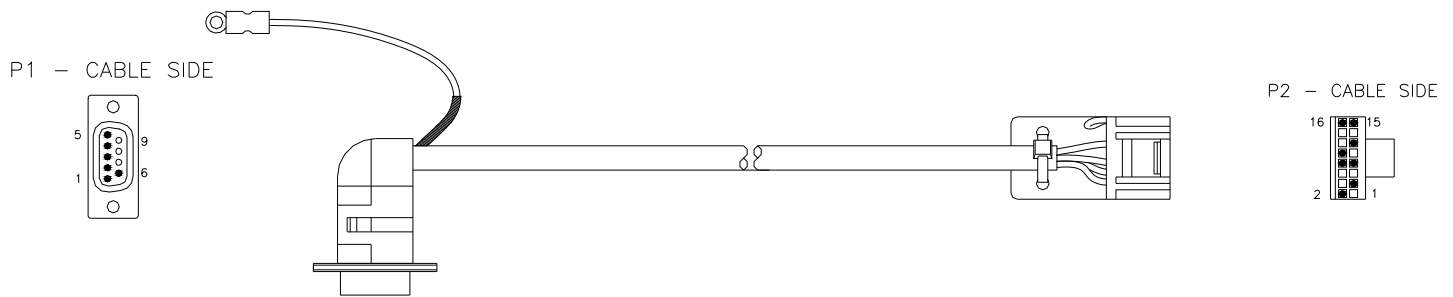
P1	P2	COLOR	
1	5	YELLOW	XMIT AUDIO
2	11	WHITE	REC AUDIO
3	3	GRAY	PTT
4	7	BLUE	GND
6	8	VIOLET	CD
	15	BLACK	JUMPER
	16		SPKR




IX. DCFCT, DCFCTB, FCT or FCTB with CDM750 radio: (part number 1751224A)

WIRING CHART

P1	P2	COLOR	FUNCTION
1	2	YELLOW	XMIT AUDIO
2	11	WHITE	REC AUDIO
3	3	GRAY	PTT
4	7	BLUE	GND
5	10	ORANGE	IGNITION SENSE
6	8	VIOLET	CD
	15	BLACK	JUMPER
	16		

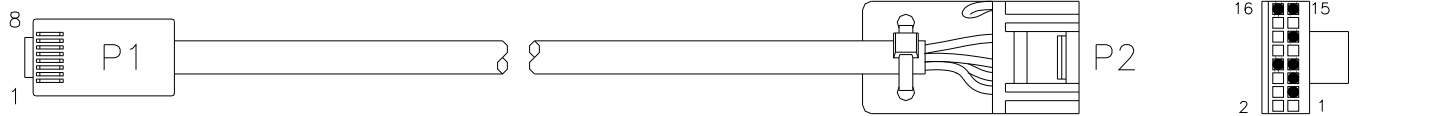


FOR REFERENCE ONLY					SIGNAL DIVISION Federal Signal Corporation 2645 FEDERAL SIGNAL DRIVE - UNIVERSITY PARK, IL 60466			
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A	REL TO PROCEDURE	11/16/05	GSA	DATE:	9/13/07	DATE:	9/13/07	3 OF 7
REV	CHANGE	DATE	BY	DATE:	9/13/07	DATE:	9/13/07	3 OF 7
NAME:	Typical Radio Interface drawings					DRAWING NUMBER:	P000087	

X. MCPT, UVT or UVIC with M1225 or GM300 radio: (part number 1751098A) (1751098A replaced 175905A)

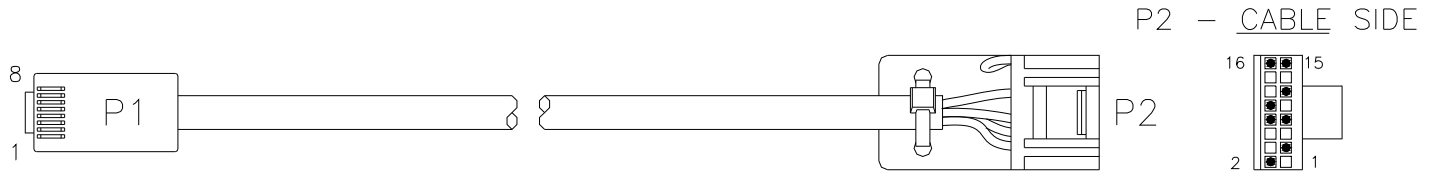
WIRING CHART			
P1	P2	FUNCTION	COLOR
POS 1	POS 11	RX	BRN
POS 2	POS 5	TX	BLU
POS 3	POS 8	CD	YEL
POS 4	POS 3	PTT	GRN
POS 6	POS 7	GND	BLK
	POS 15 POS 16	JUMPER	BLK


TAB DOWN



XI. MCPT, UVT or UVIC with CDM750 radio: (part number 1751228A)

WIRING CHART			
P1	P2	FUNCTION	COLOR
POS 1	POS 11	RX	GRY
POS 2	POS 2	TX	ORA
POS 3	POS 8	CD	BLK
POS 4	POS 3	PTT	RED
POS 6	POS 7	GND	YEL
POS 5	POS 10	12V	GRN
	POS 15 POS 16	JUMPER	RED

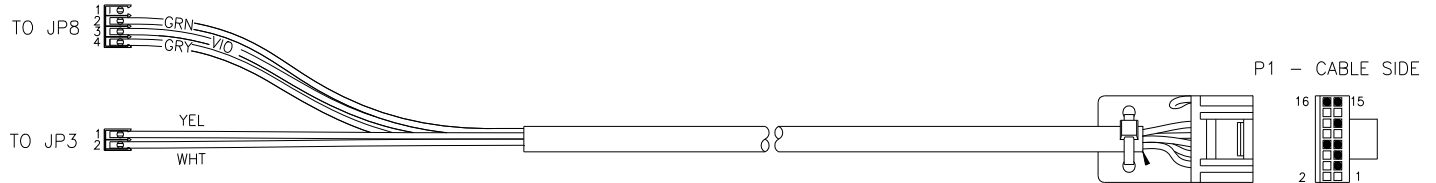


FOR REFERENCE ONLY					SIGNAL DIVISION Federal Signal Corporation 2645 FEDERAL SIGNAL DRIVE - UNIVERSITY PARK, IL 60466			
B	REL TO PROCEDURE	9/13/07	GSA		DRAWN BY:	GSA	CHKD. BY:	GSA
A	REL TO PROCEDURE	11/16/05	GSA	DATE:	9/13/07	DATE:	9/13/07	4 OF 7
REV	CHANGE	DATE	BY	DATE:	9/13/07	DATE:	9/13/07	4 OF 7
NAME:	Typical Radio Interface drawings					DRAWING NUMBER:	P000087	

XII. Q-MC with M1225 or GM300 radio: (part number 1461384A)

WIRING CHART

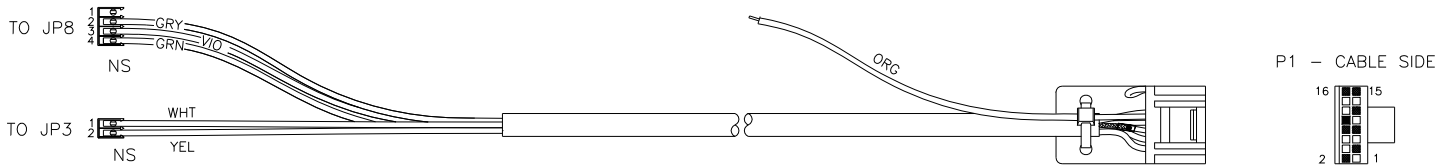
PCB	DETAIL	P1	COLOR
JP8-2	PTT	3	GREEN
JP8-3	TX	5	VIOLET
JP8-4	GND	7	GRAY
JP3-1	RX	11	WHITE
JP3-2	CD	8	YELLOW
	SPKR	15	BLACK
	JUMPER	16	




XIII. Q-MC with CDM750 radio: (part number 1461384B)

WIRING CHART

PCB	P1	FUNCTION	COLOR
JP8-2	3	PTT	GREEN
JP8-3	2	TX	VIOLET
JP8-4	7	GND	GREY
JP3-1	11	RX	WHITE
JP3-2	8	CD	YELLOW
CUT	10	IGN. SENSE	ORANGE
	15	JUMPER	BLACK
	16	SPKR ON	



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B	REL TO PROCEDURE	9/13/07	GSA		DRAWN BY:	GSA	CHKD. BY:	GSA	SHEET
A	REL TO PROCEDURE	11/16/05	GSA	DATE:	9/13/07	DATE:	9/13/07	5 OF 7	
REV	CHANGE	DATE	BY	DATE:	9/13/07	DATE:	9/13/07	5 OF 7	
NAME:	Typical Radio Interface drawings					DRAWING NUMBER:	P000087		

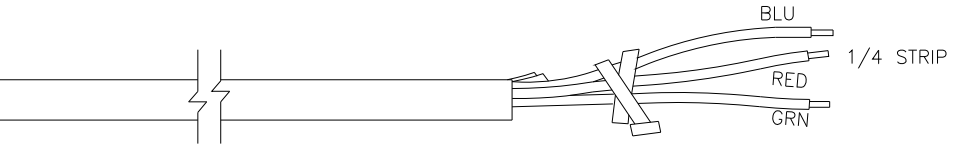
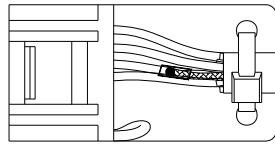
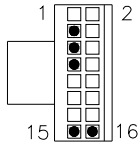
XIV. TE-1000 with GM300 or M1225 radio: (part number 1751337A, modified)

WIRING CHART

P1	TB1	FUNCTION	COLOR
3	3	PTT	BLUE
5	6	TX	RED
7	5	GND	GREEN
15			BLACK
16			JUMPER

NOTE:
TB1 IS THE TERMINAL
STRIP AT BACK OF
TE1000

P1 - CABLE SIDE



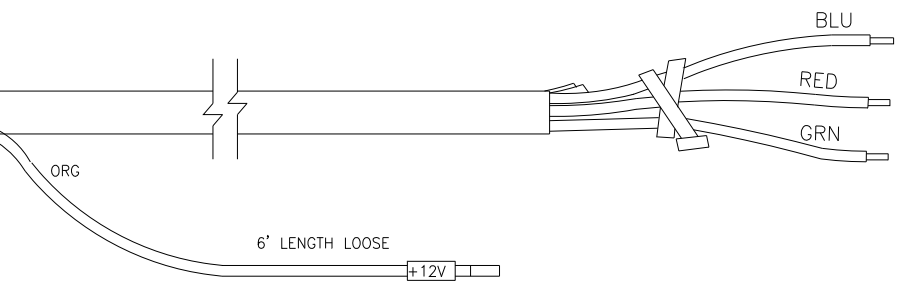
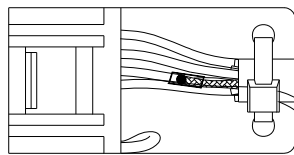
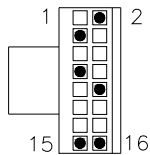
XV. TE-1000 with CDM750 radio: (part number 1751337A)


WIRING CHART

P1	TB1	FUNCTION	COLOR
3	3	PTT	BLUE
2	6	TX	RED
7	5	GND	GREEN
10	1	IGN +12V	YEL
15			BLACK
16			JUMPER

NOTE:
TB1 IS THE TERMINAL
STRIP AT BACK OF
TE1000

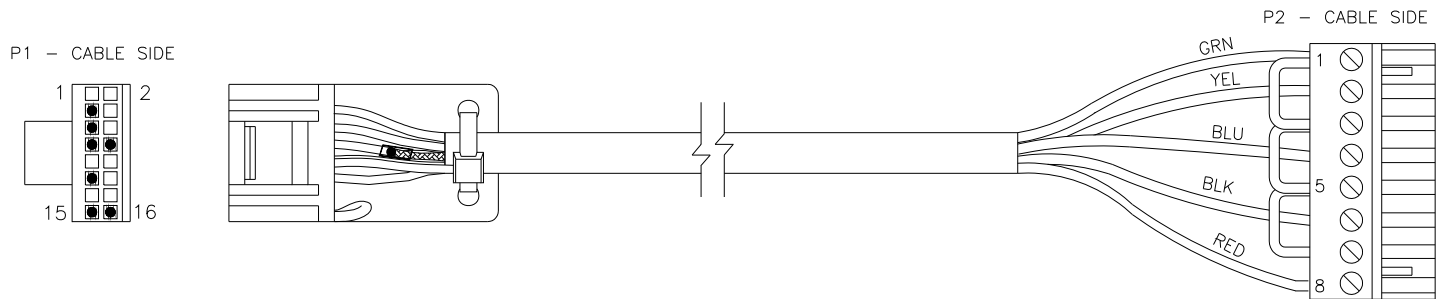
P1 - CABLE SIDE



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B	REL TO PROCEDURE	9/13/07	GSA		DRAWN BY:	GSA	CHKD. BY:	GSA	SHEET
A	REL TO PROCEDURE	11/16/05	GSA	DATE:	9/13/07	DATE:	9/13/07	6 OF 7	
REV	CHANGE	DATE	BY	DATE:	9/13/07	DATE:	9/13/07	6 OF 7	
NAME:	Typical Radio Interface drawings					DRAWING NUMBER:	P000087		

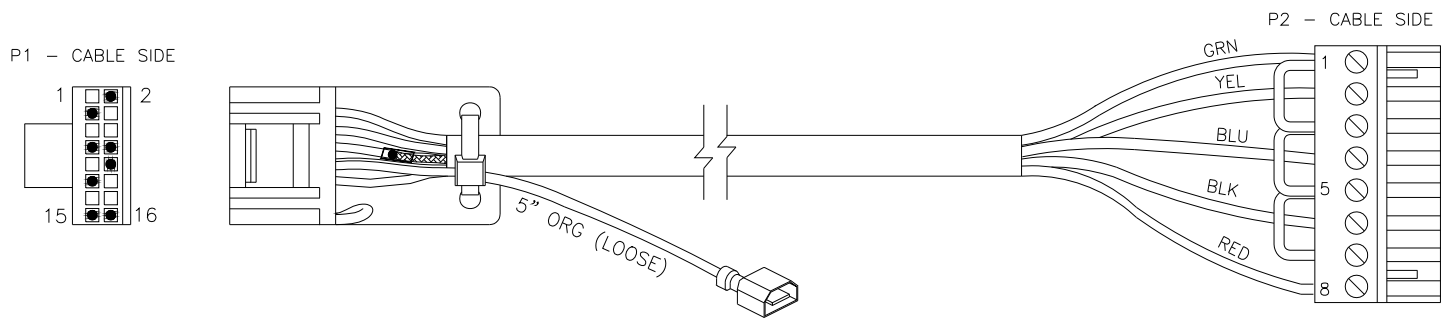
XVI. MODEM-MSK with GM300 or M1225 radio: (part number 1751326A modified)


Wiring chart			
P1	P2	Color	Functions
3	4	Blue	PTT
5	8	Red	TX
8	2	Yellow	CD
7	1	Green	GND
11	6	Black	RX
15		Black	Speaker Enable
16			



XVII. MODEM-MSK with CDM750 radio: (part number 1751326A)

Wiring chart			
P1	P2	Color	Functions
3	4	Blue	PTT
2	8	Red	TX
8	2	Yellow	CD
7	1	Green	GND
11	6	Black	RX
10	Cut	Orange	Ignition Sense
15		Black	Speaker Enable
16			



FOR REFERENCE ONLY					SIGNAL DIVISION Federal Signal Corporation 2645 FEDERAL SIGNAL DRIVE - UNIVERSITY PARK, IL 60466			
B	REL TO PROCEDURE	9/13/07	GSA		DRAWN BY:	GSA	CHKD. BY:	GSA
A	REL TO PROCEDURE	11/16/05	GSA	DATE:	9/13/07	DATE:	9/13/07	7 OF 7
REV	CHANGE	DATE	BY	DATE:	9/13/07	DATE:	9/13/07	7 OF 7
NAME:	Typical Radio Interface drawings					DRAWING NUMBER:	P00087	