

ALL CABLES MUST BE BLACK IN COLOR

Cable Part #: 824_IO

Car Inputs/Outputs Connectors 20AWG			
Molex 43025-0800	Function	Color	Required
J1:1	VIN	RED	
J1:2	VIN	ORANGE	
J1:3	GND	N/A	
J1:4	METER	WHITE	
J1:5	GND	BLACK	
J1:6	GND	BROWN	
J1:7	EMERGENCY	YELLOW	
J1:8	OUTPUT	GREEN	

Strip Ends 5mm
 12V (20AWG)
 12V (20AWG)
Ground
 Meter Pulse Or Switch To GND for External Meter
 GND
 GND
Internally Pulled High (Switch To GND To Activate)
 Open Collector

MIRG824_KCT19_CABLE

Radio Modem Cable Spec For Kenwood Radio (26AWG)			
DB25	Function	Color	Required
13	TXAUD		Y
12	RXAUD-		Y
1	GND		Y
20	DPTT		Y
4	RXCD		Y
17	SPRMT		Y

KCT19 (Molex 03-06-2152; PIN 02-06-2103)
 9
 4
 6
 8
 11
 13

MIRG824_CDM750

Radio Modem Cable Spec For Motorola (Shielded)			
DB25 (Male)	Function	Color	Required
13	TXAUD		Y
12	RXAUD-		Y
1	GND		Y
20	DPTT		Y
4	RXCD		Y
17	SPRMT		Y
2	CHSUP		Y
4	CHSDN		Y

CDM750(AMP 87922-4; PINS TIN 22-26AWG: 87667-3) for Gold Pins 1-87756-8
 11
 14
 12
 10
 2
 4
 7
 6

EMERGENCY SWITCH

Transmit Audio (0-5.0V)

Receive Audio From Radio

Ground

Data PTT to activate Transmitter

Carrier Detect

Mute Speaker

Transmit Audio (0-5.0V)

Receive Audio From Radio

Ground

Data PTT to activate Transmitter

Carrier Detect

Mute Speaker

Switch Radio To Next Channel Up

Switch Radio To next Channel Down