PTC and DR series Modem to Radio Cable Reference

Manufacturer	Model/Type	Audio Cable	Control Cable *Not for PTC-II, IIe, IIex*	Notes Nov 3, 2015
Elecraft	K-3	8129 (5ft)	8083 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Elecraft	KX-3	8128 (3ft)	8079 (3ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Elecraft	KS-3	8129 (5ft)	8083 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
FlexRadio	3000	9085 Y-cable	9085 Y-cable	Radio control is via Firewire direct from PC. Requires PowerSDR 1.18.0 or greater.
FlexRadio	5000	9084 Y-cable	9084 Y-cable	Radio control is via Firewire direct from PC. Requires PowerSDR 1.18.0 or greater.
FlexRadio	6000	9087 Y-cable	No Control	Radio control is via Firewire direct from PC. Requires PowerSDR 1.18.0 or greater.
Furuno	1501	9088 Audio/Control Y-cable	9088 (5ft)	Only one 9088 is needed per radio. Radio requires optional Telex board 005-923-670, filter 000-113-494, connector 000-125-319, gasket 100-087-843
Furuno	1502	9088 Audio/Control Y-cable	9088 (5ft)	Only one 9088 is needed per radio. Radio requires optional Telex board 005-920-310, filter 000-113-494, connector 000-125-319, gasket 100-087-843
Furuno	1503	9088 Audio/Control Y-cable	9088 (5ft)	Only one 9088 is needed per radio. Radio requires optional Telex board 005-939-810, filter 000-116-693, connector 000-125-319, gasket 100-087-843
Furuno	1503-EM	9088 Audio/Control Y-cable	9088 (5ft)	Only one 9088 is needed per radio. Telex board, etc. comes installed with this radio
Furuno	1562	9088 Audio/Control Y-cable	9088 (5ft)	Only one 9088 is needed per radio. Telex board, etc. comes installed with this radio
Harris	5022	8020 (5ft)	No Control	This radio does not have a control port or supply power to the modem via the Audio cable. Power cable **p/n 9000 or 9001 must be used with this radio**.
Icom	77	9090 (6ft)	8081 (6ft)	
Icom	78	9095 (6ft)	8081 (6ft)	
Icom	703	9095 (6ft)	8081 (6ft)	
Icom	706	9095 (6ft)	8081 (6ft)	
Icom	706 Mk II	9095 (6ft)	8081 (6ft)	8120 cable is required in place of 9095 if audio distortion is found while TX when modem is connected to radio
Icom	706 Mk IIG	9095 (6ft)	8081 (6ft)	8120 cable is required in place of 9095 if audio distortion is found while TX when modem is connected to radio
Icom	707	9090 (6ft)	8081 (6ft)	8120 cable is required in place of 9095 if audio distortion is found while TX when modem is connected to radio
Icom	718	9095 (6ft)	8081 (6ft)	
Icom	720A	none	none	Not suitable for digital communications

PTC and DR series Modem to Radio Cable Reference

Manufacturer	Model/Type	Audio Cable	Control Cable Not for PTC-II, lie, Ilex	Notes Nov 3, 2015
Icom	725	9090 (6ft)	8081 (6ft)	Not suitable for digital communications
Icom	728	9090 (6ft)	8081 (6ft)	
Icom	729	9090 (6ft)	8081 (6ft)	
Icom	730	none	none	Not suitable for digital communications
Icom	735	9090 (6ft)	8081 (6ft)	
Icom	736	9090 (6ft)	8081 (6ft)	
Icom	737	9090 (6ft)	No control	This radio does not have a control port
Icom	738	9090 (6ft)	8081 (6ft)	
Icom	740	none	none	Not suitable for digital communications
Icom	745	none	none	Not suitable for digital communications
Icom	746	9090 (6ft)	8081 (6ft)	
Icom	746 Pro	9090 (6ft)	8081 (6ft)	
Icom	751	none	none	Not suitable for digital communications
Icom	756	9090 (6ft)	8081 (6ft)	
Icom	756 Pro/III	9090 (6ft)	8081 (6ft)	
Icom	761	none	none	Not suitable for digital communications
Icom	765	none	none	Not suitable for digital communications
Icom	775	9090 (6ft)	8081 (6ft)	
Icom	781	9090 (6ft)	8081 (6ft)	
Icom	7000	9095 (6ft)	8081 (6ft)	8120 cable is required in place of 9095 if audio distortion is found while TX when modem is connected to radio
Icom	7100	9095 (6ft)	8081 (6ft)	
Icom	7200	9095 (6ft)	8081 (6ft)	
Icom	7300	9095 (6ft)	8081 (6ft)	
Icom	7410	9095 (6ft)	8081 (6ft)	
Icom	7600	9090 (6ft)	8081 (6ft)	
Icom	7700	9090 (6ft)	8081 (6ft)	
Icom	7800	9090 (6ft)	8081 (6ft)	
Icom	7850	9091 (6ft)	8082 (6ft)	
Icom	9100	9095 (6ft)	8081 (6ft)	
Icom	F8101	9081 (6ft) Audio/Control Y-	9081 (6ft)	Power cable p/n 9081 (depending on modem) must be used with this radio. The radio does not supply power to
Icom	M700 Pro	9090 (6ft) 9091 (12ft)	8086 (6ft)	Order 8040 Serial cable for extending 8086 to 12ft length

PTC and DR series Modem to Radio Cable Reference

Manufacturer	Model/Type	Audio Cable	Control Cable *Not for PTC-II, IIe, IIex*	Notes Nov 3, 2015
Icom	M710	9090 (6ft) 9091 (12ft)	8086 (6ft)	Order 8040 Serial cable for extending 8086 to 12ft length
Icom	M710 RT	9090 (6ft) 9091 (12ft)	8086 (6ft)	Order 8040 Serial cable for extending 8086 to 12ft length
Icom	M800	9090 (6ft)	No control	This radio does not have a control port
Icom	M802	9090 (6ft) 9091 (12ft)	8083 (6ft) 8084 (12ft)	
Icom	M810	9090 (6ft)	No control	This radio does not have a control port
Icom	M810E	9093	8083	
Control Cables for Icom Marine Radios direct to PC serial port	M700PRO M710 M710RT		8088 (6ft) 8090 (12ft)	For frequency control direct from computer serial port to "Remote" DB-9 port on radio. **For use with PTC-II, IIe and IIex**
Icom Packet Radio Cables				
Icom	For 1200 Baud	8120		For transceivers equipped with 6 pin mini-DIN socket
Icom	For 9600 Baud	8050		For transceivers equipped with 6 pin mini-DIN socket
Kenwood	TKM707	none	none	Not suitable for digital communications
Kenwood	TS50S	MFJ-1272B	No Control	This radio does not have a control port or supply power to the modem via the Audio cable. Power cable **p/n 9000 or 9001 must be used with this radio**.
Kenwood	TS130S	none	none	Not suitable for digital communications
Kenwood	TS140S	9096 (6ft)	No Control	This radio does not have a control port or supply power to the modem via the Audio cable. Power cable **p/n 9000 or 9001 must be used with this radio**.
Kenwood	TS430	none	none	Not suitable for digital communications
Kenwood	TS440S	9096 (6ft)	No Control	Not reccommended for digital communications. This radio does not have a control port or supply power to the modem via the Audio cable. Power cable **p/n 9000 or 9001 must be used with this radio**.
Kenwood	TS450S	9097 (6ft)	8097 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Kenwood	TS480HX	8120 (6 ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Kenwood	TS480SAT	8120 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Kenwood	TS570D	9097 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Kenwood	TS570S	9097 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Kenwood	TS590S	9097 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Kenwood	TS680S	9097 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.

PTC and DR series Modem to Radio Cable Reference

Manufacturer	Model/Type	Audio Cable	Control Cable *Not for PTC-II, IIe, IIex*	Notes Nov 3, 2015
Kenwood	TS690S	9097 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Kenwood	TS850S	9097 (6ft)	8097 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Kenwood	TS870	9097 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Kenwood	TS870S	9097 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Kenwood	TS940S	9097 (6ft)	No Control	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Kenwood	TS950S	9097 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Kenwood	TS990S	9097 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Kenwood	TS2000	9097 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply
Kenwood Packet Radio Cables				
Kenwood	For 1200 Baud	8120		For transceivers equipped with 6 pin mini-DIN socket
Kenwood	For 9600 Baud	8050		For transceivers equipped with 6 pin mini-DIN socket
Micom	2E	8124 (6ft) Contact Farallon	No control	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Micom	3F	8124 (6ft) Contact Farallon	No control	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Micom	RM-125	8124 (6ft) Contact Farallon	No control	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Micom	RM-500	8124 (6ft) Contact Farallon	No control	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
SGC	2000	8020	8083	Power cable p/n 9000 must be used with this radio.
Skanti	8000/8750	8020	No control	This radio does not have a control port. **Power cable p/n 9000 or 9001 must be used with this radio.** Interface
TenTec	Orion II	8123	8083	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
TenTec	Jupiter	8123	8083	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
TenTec	Omni VII	8123	8083	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.

PTC and DR series Modem to Radio Cable Reference

Manufacturer	Model/Type	Audio Cable	Control Cable *Not for PTC-II, IIe, IIex*	Notes Nov 3, 2015
TenTec	Eagle 599	8123	None needed, USB direct to PC	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
TenTec	Eagle 599AT	8123	No frequency control possible	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Vertex	VX-1700	8120	none	This radio does not have a control port. Power cable p/n 9000 must be used with this radio.
Yaesu	747GX	none	none	Not suitable for digital communications
Yaesu	757GX	none	none	Not suitable for digital communications
Yaesu	767GX	none	none	Not suitable for digital communications
Yaesu	FT100	8120 (6ft)	8130 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Yaesu	FT1000	8123 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Yaesu	FT450	8120 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Yaesu	FT450D	8120 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Yaesu	FT600	8125 (6ft)	None	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Yaesu	FT817	8120 (6ft)	8130 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Yaesu	FT840	MFJ-1272B Microphone - modem switching box	Not available	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Yaesu	FT847	8127 (6ft)	8085 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Yaesu	FT857D	8120 (6ft)	8130 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Yaesu	FT897D	8120 (6ft)	8130 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Yaesu	FT900	8125 (6ft)	None	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Yaesu	FT920	8123 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Yaesu	FT950	8120 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Yaesu	FT950	8120 (6 ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.
Yaesu	FT1000 MkV	8123 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.

PTC and DR series Modem to Radio Cable Reference

Manufacturer	Model/Type	Audio Cable	Control Cable *Not for PTC-II, Iie, IIex*	Notes	Nov 3, 2015
Yaesu	FT1000 MP	8125 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.	
Yaesu	FT1000 MP MkV	8123 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.	
Yaesu	FTDX-1200	8120 (6 ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.	
Yaesu	FT2000	8123 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.	
Yaesu	FT3000D	8120 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.	
Yaesu	FTDX5000	8123 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.	
Yaesu	FTDX-9000	8124 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.	
Yaesu	FTDX-9000 Contest	8125 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.	
Yaesu	FTDX-9000D	8126 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply power to the modem via the Audio cable.	
Yaesu	FTDX-9000MP	8127 (6ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply	
Yaesu	FTDX-991	8120 (6 ft)	8080 (6ft)	Power cable p/n 9000 or 9001 (depending on modem) must be used with this radio. The radio does not supply	
Yaesu Packet Radio Cables					
Yaesu	For 1200 Baud	8120		For transceivers equipped with 6 pin mini-DIN socket	
Yaesu	For 9600 Baud	8050		For transceivers equipped with 6 pin mini-DIN socket	

Audio Cable Color Cross Reference (SCS factory cables to Farallon pre-fab cables)			
SCS color	Farallon color	Modem side pin number	Function
Violet	Red	1	Audio output from the PTC to the transmitter.
White	Black	2	Ground
Yellow	Yellow	3	PTT output. (to transmitter PTT line)
Green	Orange	4	Audio input from the receiver to the PTC. (loudspeaker or appropriate AUC/ACC socket)
Blue		5	Optional power supply input.
Red		6	A1
Black		7	FSK output from the PTC to the transmitter.
Brown		8	A0