

**Cables****RF & Plus Radio Cables**

FreeWave Technologies uses low loss RF cables designed for use at 900 MHz or 2.4 GHz and also tests the insertion and return losses of every cable on a network analyzer.

**Please be aware that the performance of the radio will suffer drastically if the proper cable is not used.**

**RF Cables - Ordering Info:**

Model Number	Length	Connectors	Loss at 900 MHz	Loss at 2.4 GHz
ASC0032NN	3 feet (0.91 meters)	N male to N male	0.4 dB	0.6 dB
ASC0032SF	3 feet (0.91 meters)	Straight SMA male to N female	0.4 dB	0.6 dB
ASC0032SN	3 feet (0.91 meters)	Straight SMA male to N male	0.4 dB	0.6 dB
ASC0102NN	10 feet (3 meters)	N male to N male	1.0 dB	1.5 dB
ASC0102SN	10 feet (3 meters)	Straight SMA male to N male	1.0 dB	1.5 dB
ASC0202NN	20 feet (6.1 meters)	N male to N male	1.7 dB	2.8 dB
ASC0202SN	20 feet (6.1 meters)	Straight SMA male to N male	1.7 dB	2.8 dB
ASC0302NN	30 feet (9.1 meters)	N male to N male	2.5 dB	4.0 dB
ASC0302SN	30 feet (9.1 meters)	Straight SMA male to N male	2.5 dB	4.0 dB
ASC0752SN	75 feet (22.9 meters)	Straight SMA male to N male	5.9 dB	9.9 dB
ASC0254NN	25 feet (7.62 meters)	N male to N male	1.2 dB	1.8 dB
ASC0254SN	25 feet (7.62 meters)	Straight SMA male to N male	1.2 dB	1.8 dB
ASC0504NN	50 feet (15.2 meters)	N male to N male	2.2 dB	3.6 dB
ASC0504SN	50 feet (15.2 meters)	Straight SMA male to N male	2.2 dB	3.6 dB
ASC0754NN	75 feet (22.9 meters)	N male to N male	3.1 dB	5.3 dB
ASC0754SN	75 feet (22.9 meters)	Straight SMA male to N male	3.1 dB	5.3 dB
ASC1004NN	100 feet (30.5 meters)	N male to N male	4.1 dB	7.0 dB
ASC1004SN	100 feet (30.5 meters)	Straight SMA male to N male	4.1 dB	7.0 dB
ASC1504NN	150 feet (45.7 meters)	N male to N male	6.1 dB	10.4 dB
ASC1504SN	150 feet (45.7 meters)	Straight SMA male to N male	6.1 dB	10.4 dB
ASC2004NN	200 feet (61 meters)	N male to N male	8.0 dB	13.8 dB
ASC2004SN	200 feet (61 meters)	Straight SMA male to N male	8.0 dB	13.8 dB

**FGRplus & HTplus Cables** The following cables are for the Plus family of radios (view [data sheet](#) with photos):

**Model Number Description**

ASC2009NM	NULL MODEM Cable, Diagnostics & Programming, 20 pin board level connector to DB9 - <i>For use between Plus radio to board level serial radio</i>
ECD2409NM	NULL MODEM Cable, DB9 to DB9, male to male, 6 ft length - <i>For use between Plus radio to enclosed serial radio</i>
ASC0409NM	NULL MODEM Cable, Diagnostics & Programming, 3 pin enclosed radio connector to DB9 - <i>For use between Plus radio to enclosed serial radio</i>

ASC3610CP	NULL MODEM Cable, 10 pin board level connector plus a power jack to DB9, 36" length - <i>For use between Plus radio to board level serial</i>
ASC3610HT	NULL MODEM Cable, 10 pin board level connector, 36" length - <i>For use between Plus radio to board level serial</i>
ASC2402PT	Plus Power Adapter Cable Assembly, 24ga red and black, with front 2-pin connector, 24" length - <i>For use by a Plus radio or new FGR2 enclosed radio</i>

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