

## 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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