

Specifying Coax Cables for GPS Antenna Systems

The following is a formula for calculating the cost for special lengths of coax cable assemblies. The Timing3000 antenna is rated at 25dB and the VIC-100 typically averages 35dB (although the specs say 30dB min). Therefore, the lengths of coax cable these antennas can accommodate are different.

Antenna Type & Cable Lengths

Antenna Cable Type Connectors Part Numbers

Antenna	Cable Type	Connectors	Part Numbers	Lengths
1-A	LMR-195	TNC to BNC	10001241-xx	
1-B	LMR-195	N to BNC	10001295-xx	5m - 20m
1-C	LMR-195	N to N	10001434-xx	5m - 20m
2-A	LMR-240	TNC to BNC	10001231-xx	
2-B	LMR-240	N to BNC	10001289-xx	20m - 30m
2-C	LMR-240	N to N	10001442-xx	20m - 30m
3-A	LMR-400	TNC to BNC	10001297-xx	
3-B	LMR-400	N to BNC	10001279-xx	30m - 50m
3-C	LMR-400	N to N	10001399-xx	30m - 50m

The above cable lengths are valid for the iLotus M12M Series.

The final two digits in the cable part number (a dash number) indicate the cable length in meters (e.g. 10001241-50 is a 50 meter cable length). These costs are based on LMR series coax cable (Times Wire) with solid copper inner conductor.

Delivery of special antenna cables is generally between 10-15 days ARO

Extension cables for other types of active and passive GPS antennas are quoted of request.

Custom cables built to customer length specifications are not returnable.