

GPS ANTENNA CABLES AND INTERCONNECT CABLES

Product Information



58518A/AA

GPS Antenna Cable/Cable Kit

58519A/AA

GPS Interconnect Cable/Cable Kit

58520A/AA

Low-Loss GPS Antenna Cable/Cable Kit

58521A/AA

Low-Loss GPS Interconnect Cable/Cable Kit

Symmetricom offers a family of cables for your installation needs. Choices of connectors, cable material, cable length, and kits versus pre-assembled cables give you the flexibility to meet a wide variety of situations.

Cable Configuration Options

- You can choose N-type connectors on both ends for system interconnection needs, or a TNC connector on one end to connect to the 58532A GPS L1 Antenna.
- You can choose low-loss LMR-400 cable (58520A/AA and 58521A/AA) or more flexible RG-213 cable (58518A/AA and 58519A/AA).
- You can choose cable lengths from 1 meter to 330 meters, depending on the layout of your installation.
- You can choose pre-assembled cables for convenience or cable kits that allow you to install connectors after you pull cables through conduit.

PRE-ASSEMBLED CABLES	CABLE KIT	CABLE MATERIAL	CONNECTORS
58518A	58518AA	RG-213	N(m)-TNC(m)
58519A	58519AA	RG-213	N(m)-N(m)
58520A	58520AA	LMR-400	N(m)-TNC(m)
58521A	58521AA	LMR-400	N(m)-N(m)

Specifications and Operating Characteristics

ELECTRICAL	
Impedance	50Ω
Insertion Loss	0.4 dB/m, typical at L1 (58518A/AA, 58519A/AA) 0.17 dB/m, typical at L1 (58520A/AA, 58521A/AA)
Delay	5 ns/m, typical (58518A/AA, 58519A/AA) 4 ns/m, typical (58520A/AA, 58521A/AA)
Working Voltage	+30 Volts dc, maximum

PHYSICAL	
Connectors	1 Male N-type and 1 Male TNC (58518A/AA, 58520A/AA) 2 Male N-type (58519A/AA, 58521A/AA)
Cable Diameter	10.0 mm (0.4 in)
Operating Environment:	-40°C to +80°C

ORDERING INFORMATION (CONTACT SYMMETRICOM FOR PRICING AND AVAILABILITY)

58518A GPS Antenna Cable
58518AA GPS Antenna Cable Kit
58519A GPS Interconnect Cable
58519AA GPS Interconnect Cable Kit
58520A Low-Loss GPS Antenna Cable
58520AA Low-Loss GPS Antenna Cable Kit
58521A Low-Loss GPS Interconnect Cable
58521AA Low-Loss GPS Interconnect Cable Kit

All cables must be ordered with a length option.

Option 001 1 meter
Option 002 2 meters
Option 005 5 meters
Option 010 10 meters
Option 015 15 meters
Option 030 30 meters
Option 050 50 meters (58518A/AA, 58519A/AA only)
Option 060 60 meters (58520A/AA, 58521A/AA only)
Option 110 110 meters (58520A/AA, 58521A/AA only)
Option 220 220 meters (58521A/AA only)
Option 330 330 meters (58521A/AA only)

For more information:

Dependable Accessories for Your GPS Installation — Brochure

Designing Your GPS Antenna System — Configuration Guide



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