

## RG174 Coaxial Cable Reverse Polarized SMA M-F 20.0 ft


### Features for this product

- 50 Ohm cable used in spread spectrum LAN/WAN applications
- Gold plated contacts reduce insertion loss
- Reverse polarized male to female connector configuration ideal for LAN/WAN antenna relocation applications
- Available from stock in lengths of 5, 10, 15, 20 and 25 feet
- Reverse polarized SMA interfaces comply with FCC part 15.203 requirements



In situations that require an extension cable to relocate a wireless LAN antenna these are the cables you need. FCC part 15.203 dictates the need for a non standard interface to be used for connectors designed for use on spread spectrum wireless devices. These coaxial cable assemblies feature a reverse polarized SMA male to female configuration allowing you to simply remove the antenna from the base unit and relocate using these extension cables to link the antenna to the base unit. This type of extension cable with non standard interfaces can be difficult to find but are typically available in stock from L-com.

### Details for this Coaxial product

L-com Item #	CC174RP-20
Manufacturer	L-com
UPC #	822335004399
RoHS Status	<a href="#">RoHS Compliant</a> 



Item #	Description	NOMINAL ATTENUATION		
<b>RG223/U</b>	<ul style="list-style-type: none"> <li>Center Conductor: 19 AWG solid silver coated copper</li> <li>Shielding: (2) Silver coated copper braid (95% coverage)</li> <li>Insulation: Polyethylene</li> <li>Jacket: Black PVC</li> <li>Operating Temperature: -40°C - +60°C</li> </ul>	MHz	db/100 ft	db/100m
<b>50 Ohm Impedance</b>		50	2.8	9.2
		100	4.1	13.5
		200	6.0	23.9
		400	8.8	28.9
		1000	14.5	47.6

**RG223/U - 50 Ohm Coaxial Cable with Two Inline Type N Plugs**

<a href="#">CC223N-1</a>	RG223 Cable, Type N Male / Male, 1.0 ft
<a href="#">CC223N-1.5</a>	RG223 Cable, Type N Male / Male, 1.5 ft
<a href="#">CC223N-2</a>	RG223 Cable, Type N Male / Male, 2.0 ft
<a href="#">CC223N-2.5</a>	RG223 Cable, Type N Male / Male, 2.5 ft
<a href="#">CC223N-5</a>	RG223 Cable, Type N Male / Male, 5.0 ft
<a href="#">CC223N-7.5</a>	RG223 Cable, Type N Male / Male, 7.5 ft
<a href="#">CC223N-10</a>	RG223 Cable, Type N Male / Male, 10.0 ft
<a href="#">CC223N-15</a>	RG223 Cable, Type N Male / Male, 15.0 ft

**Wireless Antenna Extension Cables - Reverse Polarized TNC and SMA Connectors**

Handy cable assemblies with reverse polarized TNC and SMA male to female configurations allowing quick and easy extension of most wireless antennas to location best suited for optimal performance. Simply remove the antenna from the base unit and relocate using these extension cables to link the antenna to the base unit.



Item #	Description	NOMINAL ATTENUATION		
<b>RG58C/U</b>	<ul style="list-style-type: none"> <li>Center Conductor: 20 (19x33) AWG tinned copper</li> <li>Shielding: Tinned copper braid (95% coverage)</li> <li>Insulation: Polyethylene</li> <li>Jacket: Black PVC</li> <li>Operating Temperature: -40°C - +85°C</li> </ul>	MHz	db/100 ft	db/100m
<b>50 Ohm Impedance</b>		50	3.3	10.8
		100	4.9	16.1
		200	7.3	23.9
		400	11.0	36.1
		1000	20.0	65.6

**Reverse Polarized TNC on RG58C/U - Wireless Antenna Extension Cables**

<a href="#">CC58RP-5</a>	RG58C Cable, Reverse Polarized TNC Male / Female, 5.0 ft
<a href="#">CC58RP-10</a>	RG58C Cable, Reverse Polarized TNC Male / Female, 10.0 ft
<a href="#">CC58RP-15</a>	RG58C Cable, Reverse Polarized TNC Male / Female, 15.0 ft
<a href="#">CC58RP-20</a>	RG58C Cable, Reverse Polarized TNC Male / Female, 20.0 ft
<a href="#">CC58RP-25</a>	RG58C Cable, Reverse Polarized TNC Male / Female, 25.0 ft



Item #	Description	NOMINAL ATTENUATION		
<b>RG174/U</b>	<ul style="list-style-type: none"> <li>Center Conductor: 26 (7x34) AWG bare copper covered steel</li> <li>Shielding: Tinned copper braid (90% coverage)</li> <li>Insulation: Polyethylene</li> <li>Jacket: Black PVC</li> <li>Operating Temperature: -40°C - +75°C</li> </ul>	MHz	db/100 ft	db/100m
<b>50 Ohm Impedance</b>		50	5.8	19.0
		100	8.4	27.6
		200	12.5	41.0
		400	19.0	62.3
		1000	34.0	111.5

**Reverse Polarized SMA on RG174 - Wireless Antenna Extension Cables**

<a href="#">CC174RP-5</a>	RG174 Cable, Reverse Polarized SMA Male / Female, 5.0 ft
<a href="#">CC174RP-10</a>	RG174 Cable, Reverse Polarized SMA Male / Female, 10.0 ft
<a href="#">CC174RP-15</a>	RG174 Cable, Reverse Polarized SMA Male / Female, 15.0 ft
<a href="#">CC174RP-20</a>	RG174 Cable, Reverse Polarized SMA Male / Female, 20.0 ft
<a href="#">CC174RP-25</a>	RG174 Cable, Reverse Polarized SMA Male / Female, 25.0 ft

Item #	Description	Cable	Attachment
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**Reverse Polarized Coaxial Connectors**

These connectors are designed for attachment to RG174/188/316 or RG58 cables and are ideal for applications where building your own cable assembly is the best solution.

<a href="#">BAC500</a>	TNC Plug, Reverse Polarized	RG58	Crimp
<a href="#">BAC501</a>	TNC Jack, Reverse Polarized	RG58	Crimp
<a href="#">BAC502</a>	SMA Plug, Reverse Polarized	RG174/188/316	Crimp
<a href="#">BAC503</a>	SMA Jack, Bulkhead, Reverse Polarized	RG174/188/316	Crimp
<a href="#">BAC511</a>	MMCX Plug, Rt. Angle, Reverse Polarized	RG174/188/316	Crimp
<a href="#">BAC512</a>	SMA Jack, Reverse Polarized	RG174/188/316	Crimp



**Tip** *Identifying a reverse polarized connector*

A reverse polarized coaxial connector alters a standard connector interface by utilizing a male pin center conductor in a female threaded coupling mechanism and a female basket center conductor in a male threaded coupling nut mechanism. This prevents mating with a standard non-polarized connector. This type of connector is required by FCC part 15.203 rules for spread spectrum wireless devices. Common reverse polarized interfaces are RP-SMA and RP-TNC.

Male Threaded Coupling Nut Mechanism

Female Basket

Female Threaded Coupling Nut Mechanism

Male Pin Center Conductor