

Engineered Products:
Bundled cables

High quality LMR® Low Loss flexible 50 Ohm coax feeder cable, bundled under a common outer jacket for multiple run applications

- Smart antenna feeders
- IF & RF runs to tower mounted amplifiers for cellular, point to point, broadcast wireless or WiMax systems



• **LMR® Bundled Cable** is a spiral configuration of multiple LMR-400 or smaller LMR cables under a common polyethylene outer jacket. This innovative design acts as the perfect feeder cable for applications requiring multiple runs, such as on towers or building top sites. A unique, patented grounding fixture grounds the outer shields of each cable and a molded end cap seals the bundle to prevent moisture ingress at the break-out point.

• **LMR Bundled Cable** reduces installation time and grounding hardware costs, while improving long term reliability. Compared to individual cable runs, LMR Bundled Cable greatly reduces installation cost by cutting labor time and accessory requirements.

• **LMR Bundled Cable** can be supplied as complete assemblies with full technical support and custom tools. Pictorial instructions and installation videos are also available.

Features and Benefits:

- Less cable runs
- Fewer ground kits and cable clamps to install
- Reduced labor and material costs
- Standard cables include:
 - LMR-BC-400-9-LW (9 runs of LMR-LW400)
 - LMR-BC-400-9 (9 runs of LMR-400)
 - LMR-BC-400-7 (7 runs of LMR-400)
 - LMR-BV-400-4 (4 runs of LMR-400)
 - LMR-BC-200-FR-6-OS (6 runs of LMR-200-FR)

Consult factory for other or custom configurations.

Frequency (MHz)	Attenuation dB/100 ft				
	150	450	900	2000	2500
LMR-BC-200-FR-6-OS	4.1	7.2	10.2	15.5	17.4
LMR-BC-400-4	1.5	2.8	4.0	6.2	7.0
LMR-BC-400-7	1.5	2.8	4.0	6.2	7.0
LMR-BC-400-9	1.5	2.8	4.0	6.2	7.0
LMR-BC-400-9-LW	1.5	2.8	4.0	6.2	7.0

Bundled Cable Specifications					
Part Number (Stock Code)	LMR-BC-200-FR-6-OS (31834)	LMR-BC-400-4 (31832)	LMR-BC-400-7 (31836)	LMR-BC-400-9 (31831)	LMR-BC-400-9-LW (31833)
Components	LMR-200-FR	LMR-400	LMR-400	LMR-400	LMR-LW400
Bundle Configuration	F-6	F-4	1-6	1-8	1-8
Outer Protection	Braid & FR Jacket	Jacket	Jacket	Jacket	Jacket
Overall Diameter (in)	.709	1.060	1.350	1.575	1.575
Weight (lbs/ft)	.25	.37	.63	.75	.67
Bend Radius (in)	7	10	14	16	16
Temperature Range	-40°F to + 185°F (-40°C to + 85°C)				
Impedance	50 Ohms				

Install Tools

The LMR bundled cable tool package contains a number of unique products designed for easy use and long life. The ST-BC-1 and ST-BC-2 make up a universal outer sheath removal tool set that can be used with any of our bundled cables. If working with the BC400-7 and BC400-9, the GST-BC400-7 and GST-BC400-9 respectively are the best value, both economically and for ease of use.

The GST-400A easily accomplishes the otherwise challenging task of removing the inner cable' outer jacket from the BC400 bundled cables series. This tool is only needed when installing ground features.



GST-BC400-9:
Custom designed to quickly remove the outer sheath of the BC400-9 cable.



ST-BC-2:
Can be used in combination with the ST-BC-1 to remove the outer sheath of a bundled cable for grounding or fan out.



ST-BC-1:
Can be used in combination with the ST-BC-2 to remove the outer sheath of a bundled cable for grounding or fan out.



GST-400A:
Custom designed to quickly remove the outer jacket of the individual internal cables of LMR-400 based bundled cables.