

Carol® Brand DBRF Flexible Low Loss 50 Ohm Coaxial Cables

**CAROL
BRAND**

The Right Solution to Meet Your Electronic Wire and Cable Needs

General Cable's Carol® Brand line, which already provides one of the broadest offerings in the industry, now has DBRF Flexible Low Loss 50 Ohm Coaxial Cables.

The ability to communicate anywhere with wireless devices or cell phones, both indoors and out, continues to be a growing demand that requires Distributed Antenna Systems (DAS). A Distributed Antenna System is a network of spatially separated antennas connected to a transport medium, typically coax or fiber optic cable, that provides wireless service within a building or structure.

A DAS provides signal coverage anywhere outdoors or in buildings as part of their existing voice and data networks, while assisting with weak cellular phone service and improving wi-fi connections to smartphones, laptop computers or tablets. It also assists with public safety communications infrastructures found in large campus environments.



With a standard in-building DAS, the cellular source, such as a wireless base station, provides the wireless signal to the building through an antenna or wired land-line connection. In the building itself, the DAS consists of head-end equipment, bi-directional amplifiers, fiber distribution remote units, and in-building antenna access points – all of which may be connected through Carol's DBRF Flexible Low Loss Coaxial Cables and General Cable's NextGen® Brand fiber optic cables.

Carol® Brand DBRF Flexible Low Loss 50 Ohm Coaxial Cables



Flexible Low Loss 50 Ohm Coaxial Cables -- Cross Reference 100% sweep tested to 6.0 GHz					
Carol DBRF Part Numbers	Jacket Type & Listing	Belden	Coleman Cable	Times Microwave Systems	Suitable Substitution
DBRF100	PVC Jacket - Indoor/Outdoor	7805	985100	LMR®-100A-PVC	RG-174/U
DBRF100HF	FR-LSZH Jacket - Indoor/CMR Riser			LMR-100A-FR	RG-174/U
DBRF100R	FR-PVC Jacket - Indoor/CMR Riser	7805R	985100	LMR-100A-FR-PVC	RG-174/U
DBRF100P	LS-PVC Jacket - Indoor/CMP Plenum			LMR-100A-LLPL	RG-174/U
DBRF195	Polyethylene Jacket - Outdoor	7806A	986195	LMR-195	RG-58/U
DBRF195FL	Polyethylene Jacket - Outdoor/Flooded Water-Resistant	7806WB	987195	LMR-195DB	RG-58/U
DBRF195HF	FR-LSZH Jacket - Indoor/CMR Riser			LMR-195-FR	RG-58/U
DBRF195R	FR-PVC Jacket - Indoor/CMR Riser	7806R	985195	LMR-195-FR-PVC	RG-58/U
DBRF195P	LS-PVC Jacket - Indoor/CMP Plenum			LMR-195-LLPL	RG-58/U
DBRF200	Polyethylene Jacket - Outdoor	7807A	986200	LMR-200	RG-58/U
DBRF200FL	Polyethylene Jacket - Outdoor/Flooded Water-Resistant	7807WB	987200	LMR-200DB	RG-58/U
DBRF200HF	FR-LSZH Jacket - Indoor/CMR Riser			LMR-200-FR	RG-58/U
DBRF200R	FR-PVC Jacket - Indoor/CMR Riser	7807R	985200	LMR-200-FR-PVC	RG-58/U
DBRF200P	LS-PVC Jacket - Indoor/CMP Plenum			LMR-200-LLPL	RG-58/U
DBRF240	Polyethylene Jacket - Outdoor	7808A	986240	LMR-240	RG-8X
DBRF240FL	Polyethylene Jacket - Outdoor/Flooded Water-Resistant	7808WB	987240	LMR-240DB	RG-8X
DBRF240HF	FR-LSZH Jacket - Indoor/CMR Riser			LMR-240-FR	RG-8X
DBRF240R	FR-PVC Jacket - Indoor/CMR Riser	7808R	985240	LMR-240-FR-PVC	RG-8X
DBRF240P	LS-PVC Jacket - Indoor/CMP Plenum			LMR-240-LLPL	RG-8X
DBRF300	Polyethylene Jacket - Outdoor	7809A	986300	LMR-300	RG-8X
DBRF300FL	Polyethylene Jacket - Outdoor/Flooded Water-Resistant	7809WB	987300	LMR-300DB	RG-8X
DBRF300HF	FR-LSZH Jacket - Indoor/CMR Riser			LMR-300-FR	RG-8X
DBRF300R	FR-PVC Jacket - Indoor/CMR Riser	7809R	985300	LMR-300-FR-PVC	RG-8X
DBRF300P	LS-PVC Jacket - Indoor/CMP Plenum			LMR-300-LLPL	RG-8X
DBRF400	Polyethylene Jacket - Outdoor	7810A	986400	LMR-400	RG-8
DBRF400FL	Polyethylene Jacket - Outdoor/Flooded Water-Resistant	7810WB	987400	LMR-400DB	RG-8
DBRF400HF	FR-LSZH Jacket - Indoor/CMR Riser			LMR-400-FR	RG-8
DBRF400R	FR-PVC Jacket - Indoor/CMR Riser	7810R	985400	LMR-400-FR-PVC	RG-8
DBRF400P	PVDF Jacket - Indoor/CMP Plenum, 150°C			LMR-400-LLPL (except PVDF-JKT)	RG-8

DBRFXXXPU = With TPU jacket Indoor / Outdoor (Ruggedized)

DBRFXXXSF = Stranded conductors with TPE jacket equal to Times Ultra Flex -UF

DBRFXXXSP = Stranded conductors with TPU jacket similar to Times Ultra Flex -UF except TPU jacket (Flexible Ruggedized)

DBRFXXX-75 = DBRF Coax with 75 Ohm Impedance

LMR® is a registered trademark of Times Microwave Systems.

Please call factory for other construction not listed above.

Carol Brand DBRF Flexible Low Loss 50 Ohm Coax Cables are designed to be used in wireless applications such as:

- 2-way Land Mobile Radios
- Wireless Local Area Networks IEEE802.11
- Wireless Local Loop
- Wireless Internet (WISP)
- Wireless Cable (MMDS)
- Wireless Broadband Data
- Telemetry

Carol DBRF Flexible Low Loss 50 Ohm Coax Cables have RF (radio frequency) performance that is comparable to traditional corrugated copper cables, but unlike corrugated copper cables, they are highly flexible, non-kinking and easier to terminate. When compared to traditional braided RG coax cables, our DBRF cables offer lower attenuation and better RF shielding.

General Cable's DBRF cables use standard connectors and are used in internal component and equipment wiring, inter- and intra-cabinet jumpers, base stations and antenna jumpers, tower and pole feeder runs, in-building runs, and any application requiring a 50 ohm low loss RF cable.

Typical installations include:

- Commercial Buildings
- Residential Housing
- Business and Office Campus Environments
- Public Stadiums and Arenas
- Transportation Hubs like Airports, Train Stations and Bus Stations
- Primary and Secondary Schools, Universities and Colleges
- Governments and Municipalities



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