



Interconnect Solutions for a Connected World™

DAS & Wireless Infrastructure Products



Plenum Rated, Low PIM, Low Loss Coax Cable Assemblies

Low PIM Coax Cable Assemblies

Plenum Rated Cable Assemblies

Coax Cable Assemblies

Low PIM Coax Adapters

Low PIM Power Splitters

Low PIM Couplers

Low PIM Termination Loads

OptiFlex™ Hybrid Cables

Fiber Optic Trunk Cables

Ruggedized Fiber Optic Cables

Fiber Optic Patch Cables

Outdoor DC Power Cables

RF Connectors

RF Adapter

Tools and RF Adapter Kits

Interconnect Solutions for a Connected World

RF Industries designs and manufactures a broad selection of interconnect products delivered across diverse markets by multiple divisions. Standard and custom engineered interconnect solutions are available through a distribution network or direct for a seamless supply chain.

RF Industries has the resources of a large company with the agility of a small company. We work closely with customers to identify their product/logistic requirements, and then react quickly to design, manufacture and deliver finished products or services.

Design – Production – Inventory

RF Industries has production and warehouse facilities on both coasts of the United States along with a network of distributors throughout North America and Europe to deliver finished products quickly.

Quality Policy Statement

RF Industries' and its divisions are committed to maintaining excellent product quality. It is our goal to continuously improve the quality of our products to better satisfy the needs and expectations of our customers. We are also committed to delivering products that completely suit customer requirements on time, every time, and defect-free.

Certifications / Registrations

Corning Gold House
ISO 9001:2008
Underwriters Laboratory Recognized
Telcordia GR-326 Issue 4
FDA Registered Facility

Corning Gold

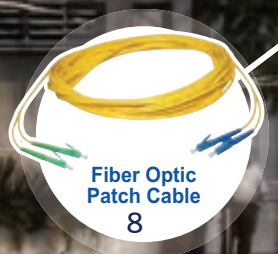
Cables Unlimited and Comnet Telecom Supply are both part of an elite group of cable assembly houses (CAHs) that meet the high standards for eligibility in the Corning Cable Systems CAH ConnectionsSM Gold Program for optical patch cord manufacturers.

Corning Extended Warranty Program

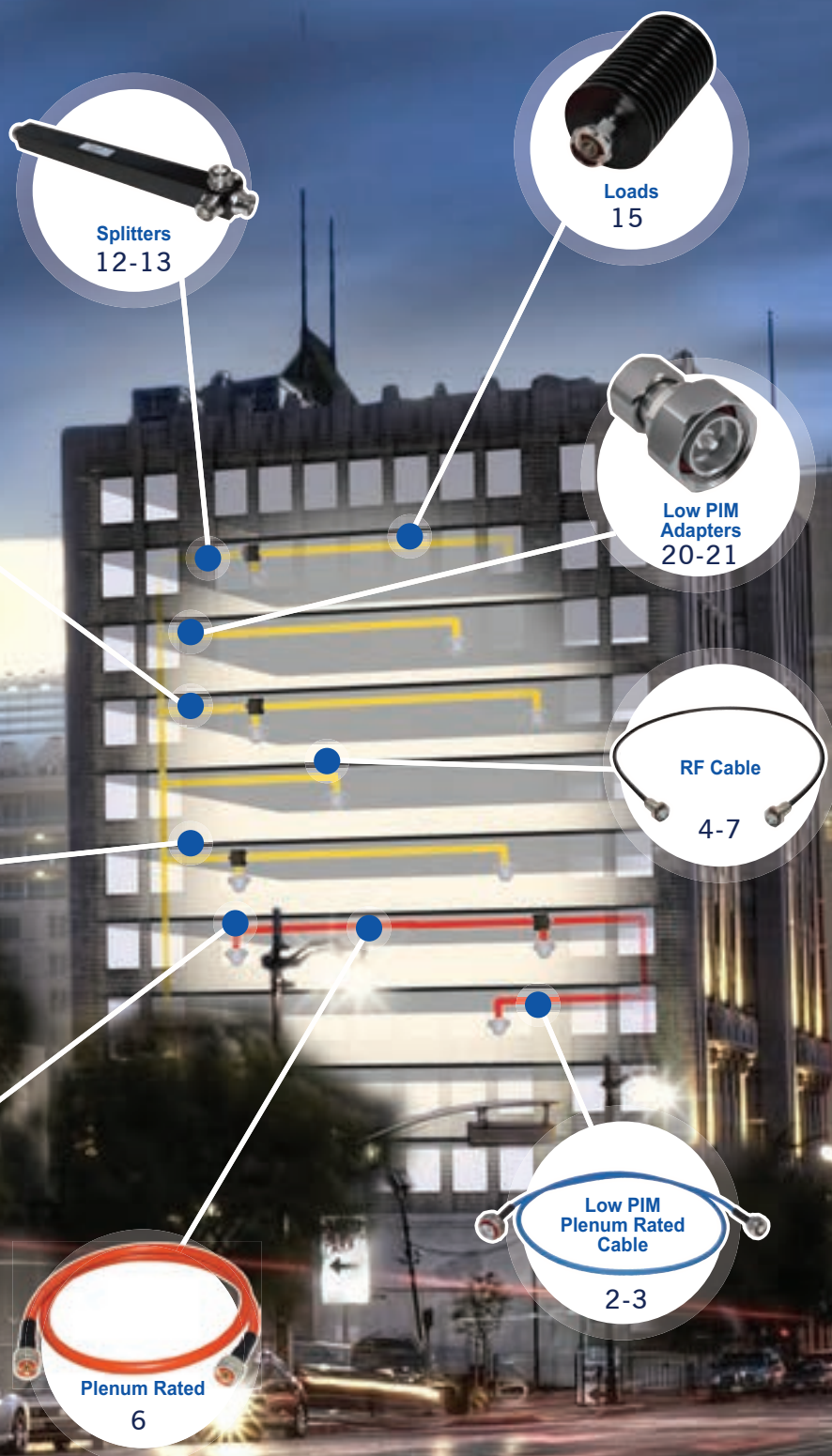
As members of the CAH Connections Gold Program, Cables Unlimited and Comnet Telecom Supply, divisions of RF Industries, can offer Corning Cable Systems 25-year Extended WarrantySM coverage for single and 2 fiber patch cords manufactured by Cables Unlimited or Comnet Telecom Supply and installed by a certified NPI member.



**CAH Connections and Extended Warranty are service marks of Corning Cable Systems Brands, Inc*



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Cable Assemblies

Low PIM Plenum Rated

PIMtracker™ Verification System
100% PIM Tested to Assure Performance

Times Microwave TFT-402-LF™ Plenum Cable

Low Loss, Low PIM Plenum Rated Coaxial Cables

- IM3 4.3-10 (only): $\leq -160\text{dBc}$ @ 700MHz & 1900Mhz
IM3 (all others): $\leq -155\text{dBc}$ @ 700MHz & 1900Mhz
- 3rd Intermodulation Test: Two +43dBm carriers
- Cable assemblies are 100% PIM tested
- Low Passive Intermodulation Distortion (PIM)
- Operating frequency: up to 3 GHz
- Highly flexible flat braided outer conductor
- Cost effective alternative to .141 inch size semi-flexible solder braid cables
- UL910 plenum rated, satisfying building code requirements
- Highly flexible for ease of installation

Custom Lengths Available
XX = custom length in inches
Contact sales about custom lengths

Connectors for TFT-402-LF™ Cable Available Separately



Part Number and Cable Length	Connector End	
	Connector 1	Connector 2
39 inches (1 meter)	78 inches (2 meters)	
P2RFC-2237-39	P2RFC-2237-78	N Female
P2RFC-2175-39	P2RFC-2175-78	N Female
P2RFC-2064-39	P2RFC-2064-78	N Male
P2RFC-2065-39	P2RFC-2065-78	N Male
P2RFC-2068-39	P2RFC-2068-78	N Male
P2RFC-2069-39	P2RFC-2069-78	N Male
P2RFC-2217-39	P2RFC-2217-78	N Male Right Angle
P2RFC-2220-39	P2RFC-2220-78	N Male Right Angle
P2RFC-2216-39	P2RFC-2216-78	N Male Right Angle
P2RFC-2221-39	P2RFC-2221-78	N Male Right Angle
P2RFC-2219-39	P2RFC-2219-78	N Male Right Angle
P2RFC-2279-39	P2RFC-2279-78	N Male Right Angle
P2RFC-2258-39	P2RFC-2258-78	N Male Right Angle
P2RFC-2066-39	P2RFC-2066-78	7-16 DIN Male
P2RFC-2229-39	P2RFC-2229-78	7-16 DIN Male
P2RFC-2321-39	P2RFC-2321-78	7-16 DIN Male Right Angle
P2RFC-2322-39	P2RFC-2322-78	7-16 DIN Male Right Angle
P2RFC-2067-39	P2RFC-2067-78	SMA Male
P2RFC-2239-39	P2RFC-2239-78	SMA Male
P2RFC-2327-39	P2RFC-2327-78	SMA Male Right Angle
P2RFC-2224-39	P2RFC-2224-78	SMA Male Right Angle
P2RFC-2226-39	P2RFC-2226-78	SMA Male Right Angle
P2RFC-2225-39	P2RFC-2225-78	SMA Male Right Angle
P2RFC-2070-39	P2RFC-2070-78	4.1-9.5 (Mini) DIN Male
P2RFC-2172-39	P2RFC-2172-78	4.1-9.5 (Mini) DIN Male
P2RFC-2234-39	P2RFC-2234-78	4.1-9.5 (Mini) DIN Male
P2RFC-2240-39	P2RFC-2240-78	4.1-9.5 (Mini) DIN Male
P2RFC-2227-39	P2RFC-2227-78	4.1-9.5 (Mini) DIN Male
P2RFC-2071-39	P2RFC-2071-78	4.1-9.5 (Mini) DIN Male
P2RFC-2214-39	P2RFC-2214-78	4.1-9.5 (Mini) DIN Male
P2RFC-2248-39	P2RFC-2248-78	4.1-9.5 (Mini) DIN Female
P2RFC-2125-39	P2RFC-2125-78	4.1-9.5 (Mini) DIN Female
P2RFC-2171-39	P2RFC-2171-78	4.1-9.5 (Mini) DIN Female
P2RFC-2174-39	P2RFC-2174-78	4.1-9.5 (Mini) DIN Female
P2RFC-2188-39	P2RFC-2188-78	4.1-9.5 (Mini) DIN Female
P2RFC-2275-39	P2RFC-2275-78	4.3-10 Male
P2RFC-2305-39	P2RFC-2305-78	4.3-10 Male
P2RFC-2330-39	P2RFC-2330-78	4.3-10 Male
P2RFC-2331-39	P2RFC-2331-78	4.3-10 Male
P2RFC-2139-39	P2RFC-2139-78	QMA Male
P2RFC-2309-39	P2RFC-2309-78	QMA Male
P2RFC-2232-39	P2RFC-2232-78	QMA Male
P2RFC-2163-39	P2RFC-2163-78	QMA Male
P2RFC-2289-39	P2RFC-2289-78	QMA Male
P2RFC-2253-39	P2RFC-2253-78	QMA Male
P2RFC-2334-39	P2RFC-2334-78	QMA Male
P2RFC-2200-39	P2RFC-2200-78	QMA Male
P2RFC-2310-39	P2RFC-2310-78	QMA Male Right Angle
P2RFC-2307-39	P2RFC-2307-78	QMA Male Right Angle
P2RFC-2311-39	P2RFC-2311-78	QMA Male Right Angle
P2RFC-2326-39	P2RFC-2326-78	QMA Male Right Angle
P2RFC-2336-39	P2RFC-2336-78	QMA Male Right Angle
P2RFC-2323-39	P2RFC-2323-78	QN Male
P2RFC-2324-39	P2RFC-2324-78	QN Male
P2RFC-2325-39	P2RFC-2325-78	QN Male

See page 18 for more information on Connectors

*Specifications subject to change without notice. TFT-402-LF is a trademark of Times Microwave Systems. PIM Tracker is a trademark of RF Industries.

1/4 inch Super Flexible Times Microwave SPP-250-LLPL™ Plenum Cable

Low Loss, Low PIM Plenum Rated Coaxial Cables

- IM3 4.3-10 (only): ≤-160dBc@700MHz & 1900MHz
- IM3 (all others): ≤-155dBc@700MHz & 1900MHz
- 3rd Intermodulation Test: Two +43dBm carriers
- Corrugated copper outer conductor providing greater than 100dB RF Shielding
- Operating frequency: up to 6 GHz
- UL910 plenum rated, satisfying building code requirements
- Cable assemblies are 100% PIM tested
- Low passive intermodulation distortion (PIM)
- Highly flexible for ease of installation

Custom Lengths Available

XX = custom length in inches

Contact sales about custom lengths

Connectors for SPP-250-LLPL™ Cable Available Separately

Part Number and Cable Length		Connector End	
39 inches (1 meter)	78 inches (2 meters)	Connector 1	Connector 2
P2RFC-2076-39	P2RFC-2076-78	4.1-9.5 (Mini) DIN Male	4.1-9.5 (Mini) DIN Male
P2RFC-2308-39	P2RFC-2308-78	4.1-9.5 (Mini) DIN Male	4.1-9.5 (Mini) DIN Female
P2RFC-2337-39	P2RFC-2337-78	4.1-9.5 (Mini) DIN Male	4.3-10 Male
P2RFC-2218-39	P2RFC-2218-78	4.1-9.5 (Mini) DIN Male	N Female
P2RFC-2269-39	P2RFC-2269-78	4.3-10 Male	4.3-10 Male
P2RFC-2329-39	P2RFC-2329-78	4.3-10 Male	7-16 DIN Male
P2RFC-2302-39	P2RFC-2302-78	4.3-10 Male	N Female
P2RFC-2328-39	P2RFC-2328-78	4.3-10 Male	N Male
P2RFC-2378-39	P2RFC-2378-78	4.3-10 Male	N Male Right Angle
P2RFC-2379-39	P2RFC-2379-78	4.3-10 Male	7-16 DIN Male Right Angle
P2RFC-2074-39	P2RFC-2074-78	7-16 DIN Male	7-16 DIN Male
P2RFC-2077-39	P2RFC-2077-78	7-16 DIN Male	4.1-9.5 (Mini) DIN Male
P2RFC-2335-39	P2RFC-2335-78	7-16 DIN Male	N Male Right Angle
P2RFC-2287-39	P2RFC-2287-78	7-16 DIN Male	SMA Male
P2RFC-2267-39	P2RFC-2267-78	7-16 DIN Male Right Angle	7-16 DIN Male
P2RFC-2266-39	P2RFC-2266-78	7-16 DIN Male Right Angle	N Male
P2RFC-2072-39	P2RFC-2072-78	N Male	N Male
P2RFC-2075-39	P2RFC-2075-78	N Male	4.1-9.5 (Mini) DIN Male
P2RFC-2073-39	P2RFC-2073-78	N Male	7-16 DIN Male
P2RFC-2184-39	P2RFC-2184-78	N Male	N Female
P2RFC-2244-39	P2RFC-2244-78	N Male	SMA Male
P2RFC-2264-39	P2RFC-2264-78	N Male Right Angle	N Male Right Angle
P2RFC-2265-39	P2RFC-2265-78	N Male Right Angle	N Male
P2RFC-2196-39	P2RFC-2196-78	N Female	7-16 DIN Male
P2RFC-2238-39	P2RFC-2238-78	N Female	N Female
P2RFC-2349-39	P2RFC-2349-78	QMA Male	N Male Right Angle
P2RFC-2350-39	P2RFC-2350-78	QMA Male	QMA Male
P2RFC-2351-39	P2RFC-2351-78	QMA Male	QMA Male Right Angle
P2RFC-2352-39	P2RFC-2352-78	QMA Male	7-16 DIN Male
P2RFC-2353-39	P2RFC-2353-78	QMA Male	N Male
P2RFC-2354-39	P2RFC-2354-78	QMA Male	SMA Male
P2RFC-2355-39	P2RFC-2355-78	QMA Male	SMA Male Right Angle
P2RFC-2356-39	P2RFC-2356-78	QMA Male	N Female
P2RFC-2357-39	P2RFC-2357-78	QMA Male	4.1-9.5 (Mini) DIN Male
P2RFC-2358-39	P2RFC-2358-78	QMA Male	4.1-9.5 (Mini) DIN Female
P2RFC-2359-39	P2RFC-2359-78	QMA Male	4.3-10 Male
P2RFC-2360-39	P2RFC-2360-78	QMA Male	7-16 DIN Male Right Angle
P2RFC-2285-39	P2RFC-2285-78	SMA Male	N Female
P2RFC-2254-39	P2RFC-2254-78	SMA Male	SMA Male

Cable Images for illustration purposes

4.1-9.5 (Mini) DIN Female



4.1-9.5 (Mini) DIN Male



4.3-10 Male



7-16 DIN Male



7-16 DIN Male Right Angle



N Female



N Male



N Male Right Angle



QMA Male



QMA Male Right Angle



SMA Male



SMA Male Right Angle



See page 18 for more information on Connectors

*Specifications subject to change without notice. SPP-250-LLPL is a trademark of Times Microwave Systems. PIM Tracker is a trademark of RF Industries

Cable Assemblies








Low PIM RF Coax

1/4 inch Super Flexible Times Microwave SPO-250™ Cable

Low Loss, Low PIM Coaxial Cables

- IM3 4.3-10 (only): $\leq -160\text{dBc}@700\text{MHz} \& 1900\text{MHz}$
IM3 (all others): $\leq -155\text{dBc}@700\text{MHz} \& 1900\text{MHz}$
- Corrugated copper outer conductor providing greater than 100dB shielding
- Cable assemblies are 100% PIM tested
- Super flexible for ease of installation
- Durable black polyethylene outer jacket suitable for outdoor use

Custom Lengths Available
XX = custom length in inches
 Contact sales about custom lengths

Cable Images for illustration purposes		Part Number and Cable Length		Connector End	
		39 inches (1 meter)	78 inches (2 meters)	Connector 1	Connector 2
	4.1-9.5 (Mini) DIN Male	P2RFC-2316-39	P2RFC-2316-78	4.1-9.5 (Mini) DIN Male	4.1-9.5 (Mini) DIN Male
		P2RFC-2376-39	P2RFC-2376-78	4.1-9.5 (Mini) DIN Male	N Female
		P2RFC-2370-39	P2RFC-2370-78	4.3-10 Male	4.3-10 Male
	4.3-10 Male	P2RFC-2372-39	P2RFC-2372-78	4.3-10 Male	4.1-9.5 (Mini) DIN Male
		P2RFC-2373-39	P2RFC-2373-78	4.3-10 Male	N Female
		P2RFC-2374-39	P2RFC-2374-78	4.3-10 Male	N Male
	7-16 DIN Male	P2RFC-2371-39	P2RFC-2371-78	4.3-10 Male	N Male Right Angle
		P2RFC-2375-39	P2RFC-2375-78	4.3-10 Male	7-16 DIN Male Right Angle
		P2RFC-2317-39	P2RFC-2317-78	7-16 DIN Male	4.1-9.5 (Mini) DIN Male
		P2RFC-2314-39	P2RFC-2314-78	7-16 DIN Male	7-16 DIN Male
	7-16 DIN Male Right Angle	P2RFC-2333-39	P2RFC-2333-78	7-16 DIN Male	N Male
		P2RFC-2291-39	P2RFC-2291-78	7-16 DIN Male Right Angle	N Male
		P2RFC-2319-39	P2RFC-2319-78	7-16 DIN Male Right Angle	7-16 DIN Male
		P2RFC-2312-39	P2RFC-2312-78	N Male	N Male
	N Female	P2RFC-2313-39	P2RFC-2313-78	N Male	7-16 DIN Male
		P2RFC-2315-39	P2RFC-2315-78	N Male	4.1-9.5 (Mini) DIN Male
		P2RFC-2318-39	P2RFC-2318-78	N Male	N Female
		P2RFC-2339-39	P2RFC-2339-78	N Male	N Male Right Angle
	N Male	P2RFC-2320-39	P2RFC-2320-78	N Female	7-16 DIN Male
		P2RFC-2345-39	P2RFC-2345-78	QMA Male	QMA Male
		P2RFC-2347-39	P2RFC-2347-78	QMA Male	7-16 DIN Male
		P2RFC-2348-39	P2RFC-2348-78	QMA Male	N Male
	QMA Male	P2RFC-2346-39	P2RFC-2346-78	QMA Male	N Male Right Angle
		P2RFC-2369-39	P2RFC-2369-78	QMA Male	4.3-10 Male
		P2RFC-2377-39	P2RFC-2377-78	QMA Male	4.1-9.5 (Mini) DIN Male

See page 19 for more information on Connectors

*Specifications subject to change without notice. SPP-250 is a registered trademark of Times Microwave Systems.

Cable Assemblies Low PIM RF Coax

Low PIM 1/2 inch Standard Flex Corrugated Cable Assemblies

4.1-9.5 (Mini) DIN, 7-16 DIN and N

- 3rd Intermodulation: $\leq -155\text{dBc}@1900\text{MHz}$
- 3rd Intermodulation test: Two +43dBm carriers
- Operating frequency: up to 3000 MHz
- VSWR: $\leq 1.10:1$ up to 2,400 MHz
 $\leq 1.15:1$ up to 3,000 MHz
- Corrugated copper tube construction

Custom Lengths Available

XX = custom length in inches

Contact sales about custom lengths

Part Number	Connector 1	Connector 2	Cable Length
P2RFC-2009-36	7-16 DIN Male	7-16 DIN Male	3 foot
P2RFC-2009-72	7-16 DIN Male	7-16 DIN Male	6 foot
P2RFC-2009-108	7-16 DIN Male	7-16 DIN Male	9 foot
P2RFC-2281-36	7-16 DIN Male	4.1-9.5 (Mini) DIN Male	3 foot
P2RFC-2281-72	7-16 DIN Male	4.1-9.5 (Mini) DIN Male	6 foot
P2RFC-2281-108	7-16 DIN Male	4.1-9.5 (Mini) DIN Male	9 foot
P2RFC-2010-36	N Male	N Male	3 foot
P2RFC-2010-72	N Male	N Male	6 foot
P2RFC-2010-108	N Male	N Male	9 foot

Cable Images for illustration purposes

4.1-9.5 (Mini) DIN Male



7-16 DIN Male



N Male



See page 19 for more information on Connectors

Low PIM 1/2 inch Super Flex Corrugated Cable Assemblies

7-16 DIN and N Connectors

- 3rd Intermodulation: $\leq -155\text{dBc}@1900\text{MHz}$
- 3rd Intermodulation test: Two +43dBm carriers
- Operating frequency: up to 3000 MHz
- Helical copper tube construction
- VSWR: $\leq 1.10:1$ up to 2,400 MHz
 $\leq 1.15:1$ up to 3,000 MHz
- Corrugated copper tube construction

Custom Lengths Available

XX = custom length in inches

Contact sales about custom lengths

Part Number	Connector 1	Connector 2	Cable Length
P2RFC-2007-36	7-16 DIN Male	7-16 DIN Male	3 foot
P2RFC-2007-72	7-16 DIN Male	7-16 DIN Male	6 foot
P2RFC-2007-108	7-16 DIN Male	7-16 DIN Male	9 foot
P2RFC-2008-36	N Male	N Male	3 foot
P2RFC-2008-72	N Male	N Male	6 foot
P2RFC-2008-108	N Male	N Male	9 foot

Cable Images for illustration purposes

7-16 DIN Male



N Male



See page 19 for more information on Connectors

Low PIM .141 inch Conformable Semi-Rigid Cable Assemblies

N and QMA Connectors

- 3rd Intermodulation: $\leq -155\text{dBc}@1900\text{MHz}$
 $\leq -140\text{dBc}@1900\text{MHz}(QMA)$
- 3rd Intermodulation test: Two +43dBm carriers
- Operating frequency: up to 6 GHz
- VSWR: $\leq 1.20:1$ up to 2,400 MHz
- Jacketed
- LSZH (low smoke zero halogen)

Custom Lengths Available

XX = custom length in inches

Contact sales about custom lengths

Part Number	Connector 1	Connector 2	Cable Length
P2RFC-2000-36	N Male	N Male	3 foot
P2RFC-2000-72	N Male	N Male	6 foot
P2RFC-2000-108	N Male	N Male	9 foot
P2RFC-2102-XX	N Male	QMA Male	Custom length

Cable Images for illustration purposes

N Male



QMA Male



Assemblies with 4.3-10, 4.1-9.5 (Mini) DIN, 7-16 DIN, QN and SMA connectors are available.
Contact sales for part numbers.

*Specifications subject to change without notice.

Cable Assemblies Plenum Rated

Times Microwave LMR® LLPL Plenum Cable

SMA, N, QN and 7-16 DIN Connectors

- Low loss
- UL/NEC/CSA rated CMP/FT6
- Highly flexible and bendable

Custom Lengths Available
XX = custom length in inches
Contact sales about custom lengths
and configurations



Part Number	Connector 1	Connector 2	Cable
RFW-12495-XX	N Male (Nickel)	N Male (Nickel)	LMR®-200-LLPL
RFW-12864-XX	N Male (Silver)	N Male (Silver)	LMR®-200-LLPL
RFW-12543-XX	N Male	N Female	LMR®-200-LLPL
RFW-11800-XX	N Male	N Male	LMR®-240-LLPL
RFW-12582-XX	N Male	N Male Right Angle	LMR®-240-LLPL
RFW-12774-XX	7-16 DIN Male	7-16 DIN Male	LMR®-240-LLPL
RFW-12928-XX	N Male	N Female	LMR®-240-LLPL
RFW-12962-XX	N Male	QN Male	LMR®-240-LLPL
RFW-12963-XX	N Female	QN Male	LMR®-240-LLPL
RFW-12964-XX	QN Male	QN Male	LMR®-240-LLPL
RFW-11472-XX	SMA Male	SMA Male	LMR®-240-LLPL
RFW-12733-XX	N Male	N Male	LMR®-400-LLPL
RFW-12934-XX	N Male Compression Fit	N Male Compression Fit	LMR®-400-LLPL
RFW-12449-XX	N Male Hex	N Male Hex	LMR®-400-LLPL
RFW-12580-XX	N Male	N Male Right Angle	LMR®-400-LLPL
RFW-12217-XX	N Male Right Angle	N Male Right Angle	LMR®-400-LLPL
RFW-12497-XX	N Male	N Female	LMR®-400-LLPL
RFW-10884-XX	N Male	SMA Female	LMR®-400-LLPL
RFW-11660-XX	SMA Male	N Female	LMR®-400-LLPL

Belden RG-142P Plenum Cable

SMA, QMA and N

- UL/NEC rated CMP/FT6
- MIL-DTL-17, M17/158-00001
- Brown-tinted FEP jacket
- Flexible
- High temperature

Custom Lengths Available
XX = custom length in inches
Contact sales about custom lengths
and configurations



Part Number	Connector 1	Connector 2	Cable
RFW-12130-XX	SMA Male Right Angle	SMA Male Right Angle	RG-142P
RFW-12131-XX	SMA Male Right Angle	SMA Male	RG-142P
RFW-12519-XX	N Male	SMA Male	RG-142P
RFW-12756-XX	N Male (Silver)	N Male (Silver)	RG-142P
RFW-12535-XX	N Male (Nickel)	N Male (Nickel)	RG-142P
RFW-12780-XX	N Female	N Male	RG-142P
RFW-12846-XX	QMA Male Right Angle	QMA Male Right Angle	RG-142P
RFW-12847-XX	QMA Male	QMA Male Right Angle	RG-142P
RFW-12848-XX	QMA Male	QMA Male	RG-142P
RFW-12849-XX	QMA Male Right Angle	SMA Male Right Angle	RG-142P
RFW-12850-XX	QMA Male Right Angle	SMA Male	RG-142P
RFW-12851-XX	QMA Male Right Angle	N Male Right Angle	RG-142P
RFW-12852-XX	QMA Male	N Male	RG-142P
RFW-12853-XX	QMA Male	SMA Male	RG-142P
RFW-12854-XX	N Male	N Male Right Angle	RG-142P
RFW-12855-XX	SMA Male	SMA Male	RG-142P

*Specifications subject to change without notice. LMR is a registered trademark of Times Microwave Systems.

Cable Assemblies Low Loss Coax

Low Loss RF Coax Assemblies

BNC, SMA, N, QMA and TNC Connectors

- Factory terminated and tested
- Dual-wall adhesive heat shrink on all connectors
- Labeling available for part numbers, logos, instructions, etc.
- Cables packaged to your specifications
- Colored heat shrink available
- All cables tested for continuity; sweeping available upon request
- Available with Times Microwave LMR®, equivalent cable manufactured by RF Industries or customer specified cable and/or connectors
- Plenum and fire retardant versions available

Custom Lengths Available
XX = custom length in inches
Contact sales about custom lengths and configurations

Part Number	Connector 1	Connector 2	Cable
RFW-5586-XX	N Male	N Male	LMR®-240
RFW-5182-XX	SMA Right Angle Male	N Female	LMR®-240
RFW-5785-XX	SMA Male	SMA Male	LMR®-240
RFW-12367-XX	QMA Male	SMA Male	LMR®-240
RFW-11688-XX	QMA Right Angle Male	SMA Male	LMR®-240
RFW-12474-XX	QMA Male	QMA Male	LMR®-240
RFW-5580-XX	N Male	N Male	LMR®-400
RFW-5012-XX	SMA Male	SMA Male	LMR®-400
RFW-12696-XX	N Male	N Male	CBL-CU240
RFW-12602-XX	N Male	N Male	CBL-CU400
RFW-12647-XX	SMA Male	SMA Male	CBL-CU240
RFW-12718-XX	SMA Male	SMA Male	CBL-CU400
RFW-12719-XX	QMA Right Angle Male	SMA Male	CBL-CU240
RFW-12645-XX	QMA Right Angle Male	QMA Right Angle Male	CBL-CU240
RFW-12894-XX	N Male Crimp	BNC Clamp Male	RG-142B/C
RFW-12863-XX	N Male	SMA Male Right Angle	RG-142B/C
RFW-5546-XX	N Male	BNC Male	RG-142B/C
RFW-5573-XX	N Male	N Male	RG-142B/C
RFW-5018-XX	N Male	SMA Male	RG-142B/C
RFW-5147-XX	N Male	N Female	RG-142B/C
RFW-5033-XX	N Male	TNC Male	RG-142B/C

Cable Images for illustration purposes

BNC Male
RG-142B/C Cable



N Female
LMR®-240 Cable



N Male
CBL-CU240



SMA Male
LMR®-240 Cable



SMA Male Right Angle
RG-142B/C Cable



QMA Male Right Angle
LMR®-240 Cable



TNC Male
RG-142B/C Cable



Ruggedized Comp Pro® Assemblies

N, and 7-16 DIN Connectors

- 360° center conductor contact
- Integrated airtight weather seal
- Pull strength >200lbs
- Plenum and fire retardant versions available
- Ideal for harsh environment assemblies
- IP68 rated to 12 inches immersion

Custom Lengths Available
XX = custom length in inches
Contact sales about custom lengths and configurations

Part Number	Connector 1	Connector 2	Cable
RFW-12913-XX	N Male	N Male	LMR®-400
RFW-12936-XX	N Male	N Female	LMR®-400
RFW-12938-XX	7-16 DIN Male	7-16 DIN Male	LMR®-400
RFW-12934-XX	N Male	N Male	LMR®-400LLPL <i>Plenum and fire retardant cable</i>
RFW-12970-XX	N Male	N Male	LMR®-600
RFW-12935-XX	N Male	N Male	LMR®-400-DB <i>Direct burial cable</i>
RFW-12937-XX	N Male	N Female	LMR®-400-DB <i>Direct burial cable</i>
RFW-12939-XX	7-16 DIN Male	7-16 DIN Male	LMR®-400-DB <i>Direct burial cable</i>
RFW-12969-XX	N Male	N Male	LMR®-600-DB <i>Direct burial cable</i>

Cable Images for illustration purposes

7-16 DIN Male
LMR®-400 cable



N Male
LMR®-400 cable



N Male
LMR®-600 cable



See page 17-18 for more information on Connectors

*Specifications subject to change without notice. Comp Pro is a registered trademark of RF Industries. LMR is a registered trademark of Times Microwave Systems.

Cable Assemblies Fiber Optic

Fiber Optic Patch Cables

Corning Gold House

- Manufactured with Corning FREEDM® One cable
- Cables Unlimited and Comnet Telecom Supply are divisions of RF Industries and both are members of the Corning Cable Systems Cable Assembly House (CAH) ConnectionsSM Gold Program.
- Patch cables manufactured by Cables Unlimited and Comnet Telecom Supply qualify for the Corning Cable Systems LANscape™ Extended Warranty ProgramSM, which provides a 25-year project warranty.

Custom Lengths available
XX = custom length in inches
Contact Sales about Custom Lengths



Part Number	Description	Cable Length
FSOD2A4CCS-003M	Single-Mode Fiber Assembly, 2 Strand Duplex LC/LC	3 Meter
FSOD2A4CCS-015M	Single-Mode Fiber Assembly 2 Strand Duplex LC/LC	15 Meter
FMODA7CCS-001M	Multi-Mode Fiber Assembly, 2 Strand Duplex LC/LC	1 Meter
FMODA7CES-05	Multi-Mode Fiber Assembly, 2 Strand, SC/LC, 50UM	50 Feet
FMODA7CFS-001M	Multi-Mode Fiber Assembly, 2 Strand Duplex, 50UM PVC LC /ST	1 Meter
FSOD2A4KKS-002M	Single-Mode Fiber Assembly, 2 Strand Duplex PVC APC, SC/SC	2 Meter
FSOD2A4KKS-010M	Single-Mode Fiber Assembly, 2 Strand Duplex PVC APC, SC/SC	10 Meter
FMOD2A4FFS-001M	Multi-Mode Fiber Assembly, 2 Strand Duplex, ST/ST, 62.5UM	1 Meter
FMOD2A4FFS-003M	Multi-Mode Fiber Assembly, 2 Strand Duplex, ST/ST, 62.5UM	3 Meter
FMOD2A4FFS-005M	Multi-Mode Fiber Assembly, 2 Strand Duplex, ST/ST, 62.5UM	5 Meter

Ruggedized Fiber Optic Cables (LC-LC Duplex)

Fiber to the Antenna

- IP66/67 rated harsh environment
- OM1 62.5/125
- -40 to +70 degrees Celsius operation
- Strain relief with 56 pound pull strength
- Manufactured with Corning FREEDM® One cable
- Factory terminated by Corning certified technicians to ensure maximum system performance

Custom Lengths available
XXX = custom length in inches
Contact Sales about Custom Lengths



Length	Part Number
5 meter	FTTA-LCDLCD-005M
10 meter	FTTA-LCDLCD-010M
50 meter	FTTA-LCDLCD-050M
100 meter	FTTA-LCDLCD-100M
150 meter	FTTA-LCDLCD-150M
200 meter	FTTA-LCDLCD-200M
Custom Length	FTTA-LCDLCD-xxxM

*Specifications subject to change without notice. CAH Connections is a service mark of Corning Cable Systems LLC.

Fiber Optic Trunk Cables

Fiber to the Antenna

- Available with 6-strand through 36-strand fibers
- Manufactured with Corning FREEDM® One cable
- Available with LC or SC connectors
- UL1666 certified OFNR and FT-4 cable
- IP67 rated connectors
- 5.5mm to 16mm OD
- Indoor / outdoor temperature and water-resistant performance
- 2 meter fanouts
- Factory terminated by Corning certified technicians to ensure maximum system performance

Custom Lengths available
XXX= custom length in inches
Contact Sales about Custom Lengths



6 Strand: Single-Mode	
Length	Part Number
10 feet	22M06201SM010X
50 feet	22M06201SM050X
75 feet	22M06201SM075X
100 feet	22M06201SM100X
150 feet	22M06201SM150X
Custom Length	22M06201SMxxxX

6 Strand: Multi-Mode	
Length	Part Number
10 feet	22D02101MM010X
50 feet	22D02101MM050X
75 feet	22D02101MM075X
100 feet	22D02101MM100X
150 feet	22D02101MM150X
Custom Length	22D02101MMxxxX

12 Strand: Single-Mode	
Length	Part Number
15 meter	RRH-12-SM-015M
50 meter	RRH-12-SM-050M
100 meter	RRH-12-SM-100M
150 meter	RRH-12-SM-150M
200 meter	RRH-12-SM-200M
Custom Length	RRH-12-SM-xxxM

24 Strand: Single-Mode	
Length	Part Number
15 meter	RRH-24-SM-015M
50 meter	RRH-24-SM-050M
100 meter	RRH-24-SM-100M
150 meter	RRH-24-SM-150M
200 meter	RRH-24-SM-200M
Custom Length	RRH-24-SM-xxxM

36 Strand: Single-Mode	
Length	Part Number
15 meter	RRH-36-SM-015M
50 meter	RRH-36-SM-050M
100 meter	RRH-36-SM-100M
150 meter	RRH-36-SM-150M
200 meter	RRH-36-SM-200M
Custom Length	RRH-36-SM-xxxM

*Specifications subject to change without notice. FREEDM is a registered mark of Corning.

Cable Assemblies

RET & Power Cables Cables

RET Control Cables

Remote Electrical Tilt (RET) Applications

- Male to female
- AISG compliant (Antenna Interface Standards Group)
- Weatherproof
- Compatible with Andrew, Kathrein, Huawei, RFS and other brands
- RoHS compliant

Custom Lengths available
XX = custom length in inches
 Contact Sales about Custom Lengths



Length: Meters	Length: Feet	Part Number
0.5	1.5	RF-RET-.5M
1	3.3	RF-RET-1M
2	6.5	RF-RET-2M
3	9.8	RF-RET-3M
5	16.4	RF-RET-5M
6	20.0	RF-RET-6M
10	32.8	RF-RET-10M
15	49.0	RF-RET-15M
20	65.6	RF-RET-20M
30	98.4	RF-RET-30M
40	131.2	RF-RET-40M
50	164.0	RF-RET-50M
60	196.9	RF-RET-60M
70	229.7	RF-RET-70M
80	262.0	RF-RET-80M
90	295.0	RF-RET-90M
100	328.0	RF-RET-100M



Pin Assignment

1. +12V DC
2. not used
3. RS485 B
4. not used
5. RS485 A
6. +24V DC
7. DC return
8. not used

Technical Specifications

Connectors	1 x 8 pin IEC 60130-9 male 1 x 8 pin IEC 60130-9 female
Construction	Shielded 3 x 20 AWG 2 X 24 AWG (twisted pair, RS-485-A and -B)
Protection Class	IP67 (mated)
Rated Current	5 A
Temperature Range	-40°C / 80°C
Materials	RoHS compliant

Outdoor DC Power Cables

- UL approved for direct burial or sunlight applications
- Tinned copper braid and aluminum tape with drain wire
- 600 volts power tray cable
- Available per foot or bulk
- Labeled per ICEA standards
- Other wire colors available
- RoHS compliant

Custom Lengths available
XX = custom length in inches
 Contact Sales about Custom Lengths



Cable Type	Comp A	Comp B	Overall Cable	Nominal OD (inches)	Description	Part Number
7/C Composite	6/C 8 168/30 TC, .032 PVC, .006 Nylon	1/C 10 105/30 BC Ground Wire - Uninsulated	M/A Foil, 12 65/30 TC DW, 36 TC BS - 85%, .085 PVC JKT	.910	8-AWG, 6-conductor shielded, #8 tinned copper with #10 bare ground wire	86CS-8MC-10
3/C Composite	2/C 12 65/30 TC, .016 PVC, .005 Nylon	1/C 12 65/30 BC Ground Wire - Uninsulated	M/A Foil, 14 41/30 TC DW, 36 TC BS - 85%, .050 PVC JKT	.395	12-AWG, 2-conductor shielded, #12 AWG 65 strands tinned copper with #12 bare ground wire	122CS-12RB-12

*Specifications subject to change without notice.

Cable Assemblies Hybrid/Composite

OptiFlex™ Hybrid Connector System (OHCS)

Fiber optic (MPO/MU) and copper connectors

- All in one Power and Optical Solutions
 - Quick locking
 - Secure Mating—High strength cable retention system
 - Designed for all standard MPO or MU contacts
 - High power and voltage drop management
 - Designed for copper conductors from AWG16 to AWG8
 - Long Outdoor Life— UV-resistant— Corrosion free
 - IP68/69
- Factory Terminated cable assemblies available**

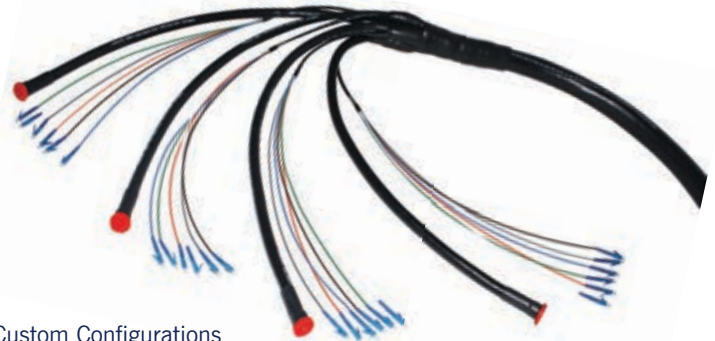
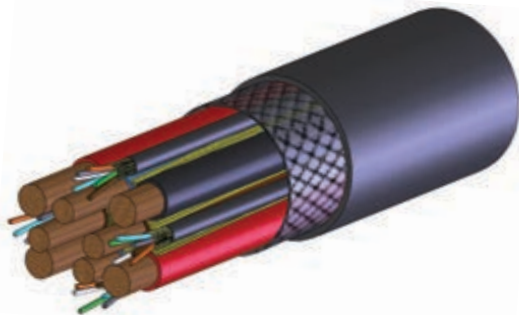


Contact type	Connector type	Backshell	Connector Part number	
			Male insert with male crimp contact	Female insert with female crimp contact
OHCS Hybrid MPO Series	Free hanging receptacle	Cable gland	OHCS1JC20HYBMPN	-
	Jam nut receptacle	Without	OHCS720HYBMPN	-
	Plug	Cable gland	-	OHCS6JC20HYBMPN
OHCS Hybrid MU Series	Free hanging receptacle	Cable gland	OHCS1JC20HYBMUN	-
	Jam nut receptacle	Without	OHCS720HYBMUN	-
	Plug	Cable gland	-	OHCS6JC20HYBMUN

OptiFlex™

Hybrid Custom Cable Solutions

- Fiber optic and DC power cables
- Factory terminated fiber by Corning certified technicians maximizes system performance
- Flexible copper tape shield serves as grounding function
- Can be deployed in lengths up to 550' with less than 10% voltage drop, based on 950 watt radios. (May vary with custom configurations.)
- Heat, moisture and UV resistant PVC outer jacket with direct burial capability
- Weatherized from end to end, insuring optimal performance in rugged environments



Standard Configurations

For reference only. Contact Cables Unlimited for breakout and termination options.

Description	Part Number
6 conductor 10 AWG, 2 conductor 8 AWG, 18 strand single-mode (SM) fiber with LC connectors.	6A2B18SMLCXXXFT
2 conductor 10 AWG, 2 conductor 8 AWG, 2 conductor 6 AWG, 6 strand multi-mode (MM) fiber with LC connectors.	2A2B2C6MMSCXXXFT
4 conductor 10 AWG, 4 conductor 8 AWG, 12 strand single-mode (SM) fiber with LC connectors.	4A4B12SMLCXXXFT
2 conductor 8 AWG, 2 conductor 6 AWG, 6 strand multi-mode (MM) fiber with LC connectors.	2A4C06MMLCXXXFT

Note: XXX indicates length in feet

Custom Configurations

Complete checklist below and contact Cables Unlimited.

Variable	Options
Number of fibers	6 to 48
Single-mode or Multi-mode	SM or MM
AWG of wire conductors (power cables)	2, 4, 6, 8, 10, 12
Number of conductors (power cables)	2, 3, 4, 6, 8
Total length in feet	
Breakout and Terminations – Side A (Tower Top)	
Number of Remote Radio Heads	
Length in feet	
Fiber connector terminations	LC or SC
Power conductor terminations	
Breakout and Terminations – Side B (Bottom/Equipment)	
Length in feet	
Fiber connector terminations	LC or SC
Power conductor terminations	

*Specifications subject to change without notice. OptiFlex is a trademark of RF Industries

Components

Low PIM Power Splitters

Low PIM Power Splitter (Frequency Range 380-2700 MHz)

4.3-10 Female, 7-16 DIN Female N Female

- Low PIM
- 3rd Intermodulation: $\leq -155\text{dBc}$
- 3rd Intermodulation test: Two +43dBm carriers
- Low VSWR
- Multiple configurations
- 50 Ohm impedance
- Peak power: 1.5Kw
- RoHS compliant

Low PIM 7-16 DIN Female Splitter



RFPS-2A-DF	2 Way Power Splitter 7-16 DIN Female
VSWR: ≤ 1.25	Insertion Loss: $\leq 0.22\text{dB}$
Split Loss: 3dB	Peak Power: 1.5Kw
Average Power: 500w	IP67 Rated



RFPS-3A-DF	3 Way Power Splitter 7-16 DIN Female
VSWR: ≤ 1.25	Insertion Loss: $\leq 0.3\text{dB}$
Split Loss: 4.8dB	Peak Power: 1.5Kw
Average Power: 500w	IP67 Rated



RFPS-4A-DF	4 Way Power Splitter 7-16 DIN Female
VSWR: ≤ 1.25	Insertion Loss: $\leq 0.1\text{dB}$
Split Loss: 6dB	Peak Power: 1.5Kw
Average Power: 500w	IP67 Rated

Low PIM N Female Splitter



RFPS-2A-NF	2 Way Power Splitter N Female
VSWR: ≤ 1.25	Insertion Loss: $\leq 0.22\text{dB}$
Split Loss: 3dB	Peak Power: 1.5Kw
Average Power: 350w	IP67 Rated



RFPS-3A-NF	3 Way Power Splitter N Female
VSWR: ≤ 1.25	Insertion Loss: $\leq 0.3\text{dB}$
Split Loss: 4.8dB	Peak Power: 1.5Kw
Average Power: 350w	IP67 Rated



RFPS-4A-NF	4 Way Power Splitter N Female
VSWR: ≤ 1.25	Insertion Loss: $\leq 0.4\text{dB}$
Split Loss: 6dB	Peak Power: 1.5Kw
Average Power: 350w	IP67 Rated

Low PIM 4.3-10 Female Splitter



RFPS-2A-43F	2 Way Power Splitter 4.3-10 Female
VSWR: ≤ 1.25	Insertion Loss: $\leq 0.25\text{dB}$
Split Loss: 3dB	Peak Power: 1.5Kw
Average Power: 500w	IP67 Rated



RFPS-3A-43F	3 Way Power Splitter 4.3-10 Female
VSWR: ≤ 1.25	Insertion Loss: $\leq 0.3\text{dB}$
Split Loss: 4.8dB	Peak Power: 1.5Kw
Average Power: 500w	IP67 Rated



RFPS-4A-43F	4 Way Power Splitter 4.3-10 Female
VSWR: ≤ 1.25	Insertion Loss: $\leq 4\text{dB}$
Split Loss: 6dB	Peak Power: 1.5Kw
Average Power: 500w	IP67 Rated

*Specifications subject to change without notice.

Components

Low PIM Power Splitters

Low PIM Power Splitter (Frequency Range 698-2700 MHz)

4.3-10 Female, 7-16 DIN Female N Female

- 3rd Intermodulation: $\leq -155\text{dBc}$
- 3rd Intermodulation test: Two +43dBm carriers
- Low VSWR
- Multiple configurations
- 50 Ohm impedance
- RoHS compliant

Low PIM 7-16 DIN Female Splitter



RFPS-2C-DF	2 Way Power Splitter 7-16 DIN Female
VSWR: ≤ 1.20	Insertion Loss: $\leq 0.1\text{dB}$
Split Loss: 3dB	Peak Power: 3Kw
Average Power: 500w	IP67 Rated



RFPS-3C-DF	3 Way Power Splitter 7-16 DIN Female
VSWR: ≤ 1.20	Insertion Loss: $\leq 0.15\text{dB}$
Split Loss: 4.8dB	Peak Power: 3Kw
Average Power: 500w	IP67 Rated



RFPS-4C-DF	4 Way Power Splitter 7-16 DIN Female
VSWR: ≤ 1.25	Insertion Loss: $\leq 0.25\text{dB}$
Split Loss: 6dB	Peak Power: 3Kw
Average Power: 500w	IP67 Rated

Low PIM N Female Splitter



RFPS-2C-NF	2 Way Power Splitter N Female
VSWR: ≤ 1.20	Insertion Loss: $\leq 0.1\text{dB}$
Split Loss: 3dB	Peak Power: 1.5Kw
Average Power: 350w	IP67 Rated



RFPS-3C-NF	3 Way Power Splitter N Female
VSWR: ≤ 1.20	Insertion Loss: $\leq 0.15\text{dB}$
Split Loss: 4.8dB	Peak Power: 1.5Kw
Average Power: 350w	IP67 Rated



RFPS-4C-NF	4 Way Power Splitter N Female
VSWR: ≤ 1.25	Insertion Loss: $\leq 0.2\text{dB}$
Split Loss: 6dB	Peak Power: 1.5Kw
Average Power: 350w	IP67 Rated

Low PIM 4.3-10 Female Splitter



RFPS-2C-43F	2 Way Power Splitter 4.3-10 Female
VSWR: ≤ 1.20	Insertion Loss: $\leq 0.2\text{dB}$
Split Loss: 3dB	Peak Power: 1.3Kw
Average Power: 500w	IP67 Rated



RFPS-3C-43F	3 Way Power Splitter 4.3-10 Female
VSWR: ≤ 1.25	Insertion Loss: $\leq 0.3\text{dB}$
Split Loss: 4.8dB	Peak Power: 1.3Kw
Average Power: 500w	IP67 Rated



RFPS-4C-43F	4 Way Power Splitter 4.3-10 Female
VSWR: ≤ 1.3	Insertion Loss: $\leq 0.4\text{dB}$
Split Loss: 6.4dB	Peak Power: 1.3Kw
Average Power: 500w	IP67 Rated

Power Splitter (Frequency Range 698-2700 MHz)

N Female

- 3rd Intermodulation: $\leq -155\text{dBc}$
- 3rd Intermodulation test: Two +43dBm carriers
- Low VSWR
- Multiple configurations
- 50 Ohm impedance
- RoHS compliant

Low PIM N Female Splitter



RFPS-2-NF	2 Way Power Splitter N Female
VSWR: ≤ 1.20	Insertion Loss: $\leq 0.1\text{dB}$
Split Loss: 3dB	Peak Power: 1Kw
Average Power: 300w	IP65 Rated



RFPS-3-NF	3 Way Power Splitter N Female
VSWR: ≤ 1.25	Insertion Loss: $\leq 0.2\text{dB}$
Split Loss: 4.8dB	Peak Power: 1Kw
Average Power: 300w	IP65 Rated



RFPS-4-NF	4 Way Power Splitter N Female
VSWR: ≤ 1.3	Insertion Loss: $\leq 0.3\text{dB}$
Split Loss: 6dB	Peak Power: 1Kw
Average Power: 300w	IP65 Rated

*Specifications subject to change without notice.

Components

Low PIM Couplers & Loads

Low PIM Directional Couplers

N, and 7-16 DIN Connectors

- 3rd Intermodulation: ≤ -155 dBc
- 3rd Intermodulation test: Two +43dBm carriers
- 50 Ohm impedance
- Low VSWR
- Multiple configurations
- IP67 Rating
- RoHS compliant



Part Number	dB	Connector	Frequency
RFDC-4.8DBA-DF	4.8 dB Directional Coupler	7-16 DIN Female	380-2700 MHz
RFDC-4.8DBA-NF	4.8 dB Directional Coupler	N Female	380-2700 MHz
RFDC-4.8DBA-43F	4.8 dB Directional Coupler	4.3-10 Female	380-2700 MHz
RFDC-4.8DBC-DF	4.8 dB Directional Coupler	7-16 DIN Female	698-2700 MHz
RFDC-4.8DBC-NF	4.8 dB Directional Coupler	N Female	698-2700 MHz
RFDC-4.8DBC-43F	4.8 dB Directional Coupler	4.3-10 Female	698-2700 MHz
RFDC-6DBA-DF	6 dB Directional Coupler	7-16 DIN Female	380-2700 MHz
RFDC-6DBA-NF	6 dB Directional Coupler	N Female	380-2700 MHz
RFDC-6DBA-43F	6 dB Directional Coupler	4.3-10 Female	380-2700 MHz
RFDC-6DBC-DF	6 dB Directional Coupler	7-16 DIN Female	698-2700 MHz
RFDC-6DBC-NF	6 dB Directional Coupler	N Female	698-2700 MHz
RFDC-6DBC-43F	6 dB Directional Coupler	4.3-10 Female	698-2700 MHz
RFDC-8DBA-DF	8 dB Directional Coupler	7-16 DIN Female	380-2700 MHz
RFDC-8DBA-NF	8 dB Directional Coupler	N Female	380-2700 MHz
RFDC-8DBA-43F	8 dB Directional Coupler	4.3-10 Female	380-2700 MHz
RFDC-8DBC-DF	8 dB Directional Coupler	7-16 DIN Female	698-2700 MHz
RFDC-8DBC-NF	8 dB Directional Coupler	N Female	698-2700 MHz
RFDC-8DBC-43F	8 dB Directional Coupler	4.3-10 Female	698-2700 MHz
RFDC-10DBA-DF	10 dB Directional Coupler	7-16 DIN Female	380-2700 MHz
RFDC-10DBA-NF	10 dB Directional Coupler	N Female	380-2700 MHz
RFDC-10DBA-43F	10 dB Directional Coupler	4.3-10 Female	380-2700 MHz
RFDC-10DBC-DF	10 dB Directional Coupler	7-16 DIN Female	698-2700 MHz
RFDC-10DBC-NF	10 dB Directional Coupler	N Female	698-2700 MHz
RFDC-10DBC-43F	10 dB Directional Coupler	4.3-10 Female	698-2700 MHz
RFDC-13DBA-DF	13 dB Directional Coupler	7-16 DIN Female	380-2700 MHz
RFDC-13DBA-NF	13 dB Directional Coupler	N Female	380-2700 MHz
RFDC-13DBA-43F	13 dB Directional Coupler	4.3-10 Female	380-2700 MHz
RFDC-13DBC-DF	13 dB Directional Coupler	7-16 DIN Female	698-2700 MHz
RFDC-13DBC-NF	13 dB Directional Coupler	N Female	698-2700 MHz
RFDC-13DBC-43F	13 dB Directional Coupler	4.3-10 Female	698-2700 MHz
RFDC-15DBA-DF	15 dB Directional Coupler	7-16 DIN Female	380-2700 MHz
RFDC-15DBA-NF	15 dB Directional Coupler	N Female	380-2700 MHz
RFDC-15DBA-43F	15 dB Directional Coupler	4.3-10 Female	380-2700 MHz
RFDC-15DBC-DF	15 dB Directional Coupler	7-16 DIN Female	698-2700 MHz
RFDC-15DBC-NF	15 dB Directional Coupler	N Female	698-2700 MHz
RFDC-15DBC-43F	15 dB Directional Coupler	4.3-10 Female	698-2700 MHz

**Specifications subject to change without notice.*

Components

Low PIM Couplers & Loads

Low PIM Hybrid Couplers

N Connector

- Low PIM $\leq 150\text{dBc}$
- 50 Ohm impedance
- Low VSWR $\leq 1.20:1$ up to 3 GHz
- Multiple configurations
- IP65 rating
- RoHS compliant



N Female

Part Number	dB	Connector	Frequency
RFHC-3-NF	3 dB Hybrid Coupler	N Female	698-2700 MHz
RFHC-3DBA-DF	3 dB Hybrid Coupler	7-16 DIN Female	380-2700 MHz
RFHC-3DBA-NF	3 DB Hybrid Coupler	N Female	380-2700 MHz

Termination Load Frequency DC-3 GHz

N Connector

- Low PIM
- 50 Ohm impedance
- Low VSWR
- Multiple configurations
- RoHS compliant



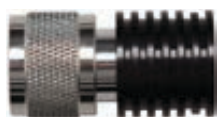
RFLOAD-NM30	N Male
Average Power: 30 watts	Frequency: DC-3 GHz

RFLOAD-NM50	N Male
Average Power: 50 watts	Frequency: DC-3 GHz

Termination Load Frequency DC-6 GHz

N , 4.3-10, and 7-16 DIN Male Connectors

- Low VSWR: ≤ 1.08 at 3GHz,
 ≤ 1.20 at 6GHz
- 50 Ohm impedance
- Frequency DC-6GHz
- Multiple configurations
- RoHS compliant



RFDL-2W-NM	N Male
Average Power: 2 watts	Frequency: DC-6 GHz

RFDL-2W-43M	4.3-10 Male
Average Power: 2 watts	Frequency: DC-6 GHz

RFDL-2W-DM	7-16 DIN Male
Average Power: 2 watts	Frequency: DC-6 GHz

**Specifications subject to change without notice.*

Components

Comp Pro® Compression Connectors

Comp Pro® Compression Connectors

for LMR®-400, LMR®-600 and Equivalent Braided Cables

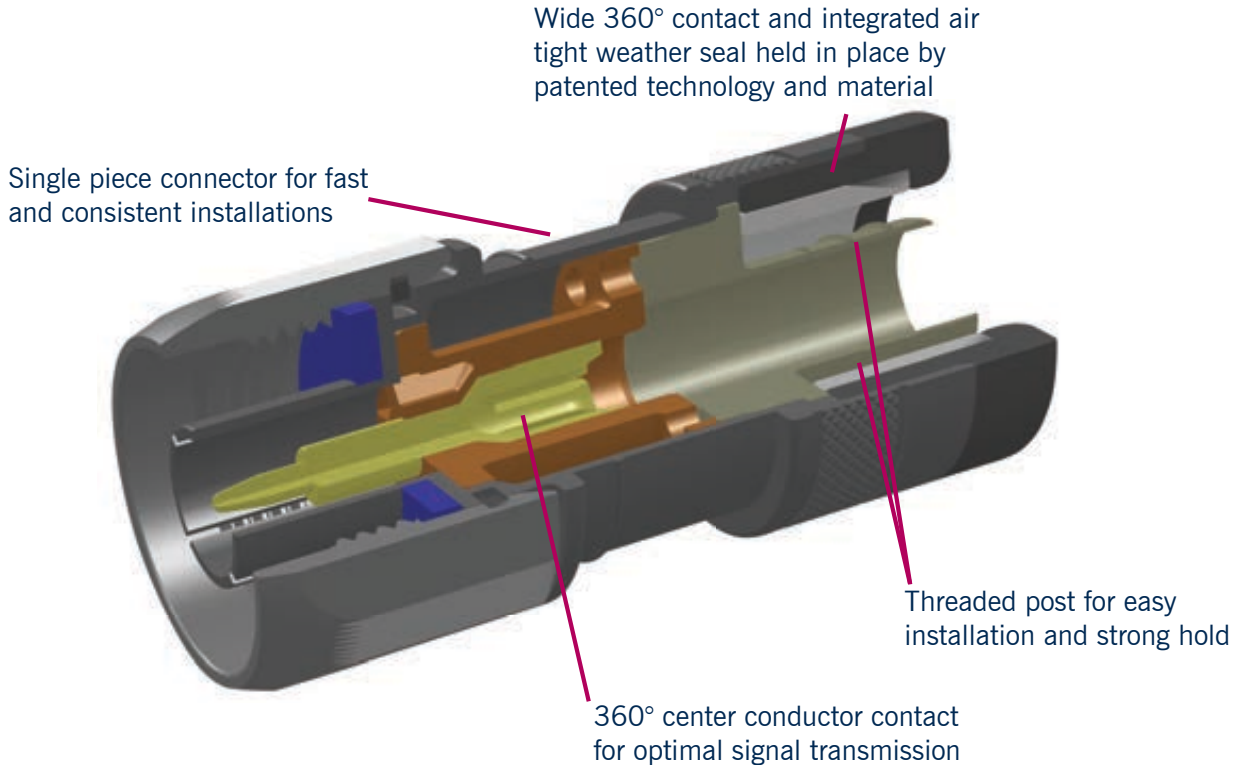
Advantages

- Designed to excel in harsh environments
- Foolproof Field Installation—One minute installation process
- Waterproof Design—external sealing not required
- Patented Compression Technology
- Rugged Design
- RoHS compliant

Specifications

- Impedance: 50 Ohm
- Operating Temperature: -67°F to +185°F / -55°C to +85°C
- Moisture Resistance Test: MIL-STD-202F, Method 106°F
- Mechanical Shock Test: MIL-STD-202F, Method 213, Test Condition C
- Corrosion Test: MIL-STD-1344A, Method 1001.1, Test Condition A
- Thermal Shock Test: MIL-STD-202F, Method 107G, Test Condition A-1, Low Temp -55°C
- Vibration Test: IEC 68, PART 2-6
- Minimum Connector Retention Tensile Force: 200lbs.
- Immersion Test: IEC 529: 1989, IP68
- Immersion Depth: 12" / 0.31 m
- Water Jetting Test: IEC 529: 1989, IP66

See page 7 for Comp Pro® Cable Assemblies




Components Comp Pro® Compression Connectors

Comp Pro® Compression Connectors

for LMR®-400, LMR®-600 and Equivalent Braided Cables

	Part Number	Connector	Cable
	COMP-DM-400	7-16 DIN Male	LMR®-400
	COMP-NF-400	N Female	LMR®-400
	COMP-NM-400	N Male	LMR®-400
	COMP-NM-400PL	N Male	LMR®-400-LLPL
	COMP-NRA-400	N Male Right Angle	LMR®-400

	Part Number	Connector	Cable
	COMP-TM-400	TNC Male	LMR®-400
	COMP-TM-400PL	TNC Male	LMR®-400-LLPL
	COMP-TRA-400	TNC Male Right Angle	LMR®-400
	COMP-NM-600	N Male	LMR®-600

Kits and Tools



Pouch-50
Toolbag for 400 & 600 Cable



SDT400-50 Stripping Prep Tool for 400 Cable
RC400-50 Replacement Blades (2 pack) for 400 Cable



SDT600-50 Stripping Prep Tool for 600 Cable
RC600-50 Replacement Blades (2 pack) for 600 Cable



CXC
Cable Cutter for 400 & 600 Cable



MCAP400
Marking Cap (2 pack) for 400 Cable



MCAP600
Marking Cap (2 pack) for 600 Cable



PEN-50
Marking Pen for 400 & 600 Cable



RFA-4420
Center Conductor Prep Tool for 400 & 600 Cable



IT50NM
Insertion Tool for N Connector or 400 & 600 Cable



IT50TA
Adapter, Insertion Tool for TNC Connector or 400 & 600 Cable



TW1412
Torque Wrench for N Connector for 400 & 600 Cable



TW08X14MM
Torque Wrench for TNC Connector for 400 & 600 Cable



TQ-114-F18
Torque Wrench for 7-16 DIN Connector for 400 & 600 Cable



NW-BTS-JMA
N Male Installation Tool 3/4 inch for 400 & 600 Cable



VT500
Compression Tool for 400 Cable



VT600
Compression Tool for 600 Cable

KIT400 for N connectors with LMR®-400 cable type

KIT400NT for N and TNC connectors with LMR®-400 cable type

KIT600 for N connectors with LMR®-600 cable type

TOOLS	KIT400	KIT400NT	KIT600
Pouch-50	X	X	X
CXC	X	X	X
SDT400-50	X	X	
RC400-50	X	X	
SDT600-50			X
RC600-50			X
RFA-4420			
MCAP400	X	X	
MCAP600			X
PEN-50	X	X	X
IT50NM	X	X	X
IT50TA		X	
NW-BTS-JMA			
TW1412	X	X	X
TW08X14MM		X	
TQ-114-F18			
VT500	X	X	
VT600			X

*Specifications subject to change without notice. Comp Pro is a registered trademark of RF Industries. LMR is a registered trademark of Times Microwave Systems.

Components

Low PIM Connectors

Low PIM Connectors for Low PIM Plenum Cables

- Low PIM: $\leq -155\text{dBc}$
- Operating frequency: up to 5,500 MHz
- Low VSWR: $\leq 1.10:1$ up to 5,500 MHz
- Most assemblies come with shrink tubing
- RoHS compliant

RF Connectors for Times Microwave TFT-402-LF™ Cable

See Page 2 for Cable Assemblies

	Part Number	Connector	Cable
	RFN-1002-SR2FL	N Male	TFT-402-LF™
	RFN-1009-SR2LP	N Male Right Angle	TFT-402-LF™
	RFN-1027-SR2	N Female	TFT-402-LF™
	RFD-1601-SR2	7-16 DIN Male	TFT-402-LF™
	RFD-4195-SR2FL	4.1-9.5 (Mini) DIN Male	TFT-402-LF™
	RFD-4195F-SR2	4.1-9.5 (Mini) DIN Female	TFT-402-LF™
	RFD-43MS-SR2	4.3-10 Male	TFT-402-LF™
	RQN-1300-SR2	QN Male	TFT-402-LF™
	RQA-5000-SR2LP	QMA Male	TFT-402-LF™
	RQA-5010-SR2LP	QMA Male Right Angle	TFT-402-LF™
	RSA-3500-SR2LP	SMA Male	TFT-402-LF™

RF Connectors for Times Microwave SPP-250-LLPL™ Cable (1/4 inch Super Flexible)

See Page 3 for Cable Assemblies

	Part Number	Connector	Cable
	RFN-1002-HPL	N Male	SPP-250-LLPL™
	RFN-1009-HPL	N Male Right Angle	SPP-250-LLPL™
	RFN-1027-HPL	N Female	SPP-250-LLPL™
	RFD-1601-HPL	7-16 DIN Male	SPP-250-LLPL™
	RFD-1610-HPL	7-16 DIN Male Right Angle	SPP-250-LLPL™
	RFD-4195-HPL	4.1-9.5 (Mini) DIN Male	SPP-250-LLPL™
	RFD-4195F-HPL	4.1-9.5 (Mini) DIN Female	SPP-250-LLPL™
	RFD-43MS-HPL	4.3-10 Male	SPP-250-LLPL™
	RQA-5000-HPL	QMA Male	SPP-250-LLPL™
	RSA-3500-HPL	SMA Male	SPP-250-LLPL™

NOTE: Due to the precise nature of the soldering of the inner and outer conductors to achieve low PIM specifications, RF Industries cannot guarantee PIM performance on the finished assemblies when connectors are field installed. If you need guaranteed PIM performance, we strongly recommend factory installed assemblies made to your specifications.

*Specifications subject to change without notice. LMR is a registered trademark of Times Microwave Systems.

Low PIM Connectors for Low PIM and Low Loss Cables

- Low PIM: $\leq -155\text{dBc}$
- Operating Frequency: up to 5,500 MHz
- RoHs Compliant




RF Connectors for Times Microwave SPO-250™ Cable (1/4 inch Super Flexible)

See Page 4 for Cable Assemblies

	Part Number	Connector	Cable
	RFN-1002-H3	N Male	SPO-250
	RFN-1009-HPL	N Male Right Angle	SPO-250
	RFD-1601-H3	7-16 DIN Male	SPO-250
	RFD-1610-HPL	7-16 DIN Male Right Angle	SPO-250
	RFD-4195-H3	4.1-9.5 (Mini) DIN Male	SPO-250
	RFN-1027-H3	N Female	SPO-250
	RQA-5000-H3	QMA Male	SPO-250

RF Connectors for Low PIM 1/2 inch Standard Flex Corrugated Cable

See Page 5 for Cable Assemblies

	Part Number	Connector	Cable
	RFN-1002C-H1	N Male	1/2" Standard flex Cable
	RFD-1601C-H1	7-16 DIN Male	1/2" Standard flex Cable
	RFD-4195MC-H1	4.1-9.5 Male	1/2" Standard flex Cable

RF Connectors for Low PIM 1/2 inch Super Flex Corrugated Cable

See Page 5 for Cable Assemblies

	Part Number	Connector	Cable
	RFN-1002C-H4	N Male	1/2" Super flex Cable
	RFD-4195MC-H4	4.1-9.5 (Mini) DIN Male	1/2" Super flex Cable

NOTE: Due to the precise nature of the soldering of the inner and outer conductors to achieve low PIM specifications, RF Industries cannot guarantee PIM performance on the finished assemblies when connectors are field installed. If you need guaranteed PIM performance, we strongly recommend factory installed assemblies made to your specifications.

Notes: Specifications subject to change without notice. LMR is a registered trademark of Times Microwave Systems.

Components



Low PIM Adapters

4.3-10 Adapter

Low PIM Adapter

- Low PIM: $\leq -160\text{dBc}$
- Operating frequency: up to 5,500 MHz
- VSWR: $\leq 1.10:1$ up to 5,500 MHz
- Non-tarnish white bronze (tri-metal) plating
- RoHS compliant





4.3-10 to 4.3-10 Adapters

	Part Number	Adapter End	Plating
	RFD-43F-F	4.3-10 Female to 4.3-10 Female	White Bronze
	RFD-43M-FRA	4.3-10 Male to 4.3-10 Female Right Angle Adapter	White Bronze

4.3-10 to 7-16 DIN Adapters

	Part Number	Adapter End	Plating
	RFD-1685-4	4.3-10 Female to 7-16 DIN Female	White Bronze
	RFD-1686-4	4.3-10 Male to 7-16 DIN Male	White Bronze
	RFD-1687-4	4.3-10 Female to 7-16 DIN Male	White Bronze
	RFD-1688-4	4.3-10 Male to 7-16 DIN Female	White Bronze

4.3-10 to N Adapters

	Part Number	Adapter End	Plating
	RFD-43F-NF	4.3-10 Female to N Female	White Bronze
	RFD-43F-NM	4.3-10 Female to N Male	White Bronze
	RFD-43M-NF	4.3-10 Male to N Female	White Bronze
	RFD-43M-NM	4.3-10 Male to N Male	White Bronze





*Specifications subject to change without notice.

4.1-9.5 (Mini) DIN

Low PIM Adapter

- Low PIM: $\leq -155\text{dBc}$
- Operating frequency: up to 7.5 GHz
- Low VSWR: $\leq 1.20:1$ up to 3 GHz
- Non-magnetic, Non-tarnish white bronze (tri-metal) plating
- RoHS Compliant





4.1-9.5 to 4.1-9.5 Adapters

	Part Number	Adapter End	Plating
	RFD-4195-1950	4.1-9.5 Male to 4.1-9.5 Female	White Bronze
	RFD-4195-1952	4.1-9.5 Female to 4.1-9.5 Male	White Bronze
	RFD-4195-1953	4.1-9.5 Female to 4.1-9.5 Female	White Bronze
	RFD-4195-1954	4.1-9.5 Female to 4.1-9.5 Female Bulkhead Adapter	White Bronze

4.1-9.5 to 7-16 DIN Adapter

	Part Number	Adapter End	Plating
	RFD-1681-4	4.1-9.5 Male to 7-16 Female	White Bronze
	RFD-1682-4	4.1-9.5 Male to 7-16 Male	White Bronze
	RFD-1683-4	4.1-9.5 Female to 7-16 Female	White Bronze
	RFD-1684-4	4.1-9.5 Female to 7-16 Male	White Bronze

4.1-9.5 to N Adapter

	Part Number	Adapter End	Plating
	RFN-1045-4	4.1-9.5 Male to N Male	White Bronze
	RFN-1046-4	4.1-9.5 Male to N Female	White Bronze
	RFN-1047-4	4.1-9.5 Female to N Female	White Bronze
	RFN-1048-4	4.1-9.5 Female to N Male	White Bronze

Components Low PIM Adapters

7-16 DIN Adapters

Low PIM Adapter

- Low PIM: $\leq -155\text{dBc}$
- Operating frequency: up to 5,500 MHz
- Low VSWR: $\leq 1.10:1$ up to 5,500 MHz
- Available in silver or white bronze (tri-metal) plating
- Non-magnetic
- Stainless steel (SS) hex nuts on certain adapters
- RoHS Compliant

7-16 DIN to 7-16 DIN Adapters

	Part Number	Adapter End	Plating
	P2RFD-1650-SS	7-16 DIN Male to 7-16 DIN Male Barrel Adapter	White Bronze Stainless Steel Coupling Nut
	RFD-1650-2	7-16 DIN Male to 7-16 DIN Male Barrel Adapter	Silver
	P2RFD-1652-SS	7-16 DIN Male to 7-16 DIN Female Right Angle Adapter	White Bronze Stainless Steel Coupling Nut
	P2RFD-1652-4	7-16 DIN Male to 7-16 DIN Female Right Angle Adapter	White Bronze
	RFD-1652-2	7-16 DIN Male to 7-16 DIN Female Right Angle Adapter	Silver
	P2RFD-1653-4	7-16 DIN Female to 7-16 DIN Female Barrel Adapter	White Bronze
	RFD-1653-2	7-16 DIN Female to 7-16 DIN Female Barrel Adapter	Silver
	P2RFD-1660-SS	7-16 DIN Male to 7-16 DIN Female Barrel Adapter	White Bronze Stainless Steel Coupling Nut
	RFD-1660-WB	7-16 DIN Male to 7-16 DIN Female Barrel Adapter	Whiter Bronze
	RFD-1660-2	7-16 DIN Male to 7-16 DIN Female Barrel Adapter	Silver
	P2RFD-1654-4	7-16 DIN Female to 7-16 DIN Female Bulkhead Adapter	White Bronze

7-16 DIN to N Adapters



	Part Number	Adapter End	Plating
	P2RFD-1670-SS	7-16 DIN Male to N Male Barrel Adapter	White Bronze Stainless Steel Coupling Nut
	RFD-1670-2	7-16 DIN Male to N Male Barrel Adapter	Silver
	P2RFD-1671-SS	7-16 DIN Male to N Female Barrel Adapter	White Bronze Stainless Steel Coupling Nut
	RFD-1671-2	7-16 DIN Male to N Female Barrel Adapter	Silver
	P2RFD-1672-SS	7-16 DIN Female to N Male Barrel Adapter	White Bronze Stainless Steel Coupling Nut
	RFD-1672-2	7-16 DIN Female to N Male Barrel Adapter	Silver
	P2RFD-1673-4	7-16 DIN Female to N Female Barrel Adapter	White Bronze
	RFD-1673-2	7-16 DIN Female to N Female Barrel Adapter	Silver

QMA Adapter

Low PIM Adapter

- Low PIM: $\leq -155\text{dBc}$
- Operating frequency: up to 6 GHz
- Non-tarnish white bronze (tri-metal) plating

QMA to SMA and N Adapter

	Part Number	Adapter End	Plating
	RQA-5405-LP	QMA Male to SMA Female	White Bronze
	RQA-5478	QMA Female to N Male	White Bronze

*Specifications subject to change without notice.

Components

Low PIM Adapter Kits

Low PIM Adapter Kits

for 4.1-9.5 (Mini) DIN, 4.3-10, 7-16 DIN and N Adapters

- Adapter protection
- Zippered leatherette case
- RoHS compliant
- Die-cut foam
- Stands upright for compact storage



4.1-9.5 (Mini) DIN Kit
RFA-4195-03
shown

4.1-9.5 (Mini) DIN Kits

(All adapters sold separately. See previous pages.)	4.1-9.5 (Mini) DIN to N (6 Piece)	4.1-9.5 (Mini) DIN to 7-16 DIN (6 Piece)	4.1-9.5 (Mini) DIN to N (7 Piece)	4.1-9.5 (Mini) DIN to 7-16 DIN (7 Piece)
	White bronze (tri-metal) plating and stainless steel hex nuts			
Part Number	RFA-4195-01	RFA-4195-02	RFA-4195-03	RFA-4195-04
In-Series Adapters	4.1-9.5 Male to 4.1-9.5 Female	4.1-9.5 Male to 4.1-9.5 Female	4.1-9.5 Male to 4.1-9.5 Female	4.1-9.5 Male to 4.1-9.5 Female
	4.1-9.5 Male to 4.1-9.5 Female Right Angle	4.1-9.5 Male to 4.1-9.5 Female Right Angle	4.1-9.5 Male to 4.1-9.5 Female Right Angle	4.1-9.5 Male to 4.1-9.5 Female Right Angle
	na	na	4.1-9.5 Female to 4.1-9.5 Female	4.1-9.5 Female to 4.1-9.5 Female
Between-Series Adapters	4.1-9.5 Male to N Female	4.1-9.5 Male to 7-16 Female	4.1-9.5 Male to N Female	4.1-9.5 Male to 7-16 Female
	4.1-9.5 Male to N Male	4.1-9.5 Male to 7-16 Male	4.1-9.5 Male to N Male	4.1-9.5 Male to 7-16 Male
	4.1-9.5 Female to N Female	4.1-9.5 Female to 7-16 Female	4.1-9.5 Female to N Female	4.1-9.5 Female to 7-16 Female
	4.1-9.5 Female to N Male	4.1-9.5 Female to 7-16 Male	4.1-9.5 Female to N Male	4.1-9.5 Female to 7-16 Male

4.3-10 Kits

7-16 DIN to N Kits

(All adapters sold separately. See previous pages.)	4.3-10 to N and 7-16 DIN (7 Pieces)	4.3-10 to 7-16 DIN (7 Pieces)	7-16 DIN to N (6 Piece)	7-16 DIN to N (6 Piece)
	White bronze (tri-metal) plating and stainless steel hex nuts			Silver Plated with knurling
Part Number	RFA-4310-01	RFA-4310-02	P2RFA-4013-SS	RFA-4013
In-Series Adapters	4.3-10 Female to 4.3-10 Female Barrel Adapter	4.3-10 Female to 4.3-10 Female Barrel Adapter	7-16 Female to 7-16 Female Barrel Adapter	7-16 Female to 7-16 Female Barrel Adapter
	4.3-10 Male to 4.3-10 Female Right Angle Adapter	4.3-10 Male to 4.3-10 Female Right Angle Adapter	7-16 Male to 7-16 Female Right Angle Adapter	7-16 Male to 7-16 Female Right Angle Adapter
Between-Series Adapters	4.3-10 Female to 7-16 DIN Male	4.3-10 Female to 7-16 DIN Male (2 Pieces)	7-16 Male to N Male	7-16 Male to N Female
	4.3-10 Female to N Female	4.3-10 Male to 7-16 DIN Female	4.1-9.5 Male to 7-16 Male	7-16 Male to N Male
	4.3-10 Female to N Male	4.3-10 Male to 7-16 DIN Male	7-16 Female to N Female	7-16 Female to N Female
	4.3-10 Male to N Female	4.3-10 Female to 7-16 DIN Female	7-16 Female to N Male	7-16 Female to N Male
	4.3-10 Male to N Male	na	na	na



7-16 DIN Kit
P2RFA-4013-SS
shown

*Specifications subject to change without notice.

Components RF Connectors and Kits

RF Connectors

for 4.1-9.5 (Mini) DIN, 4.3-10, 7-16 DIN and N Adapters

- Brass or stainless steel bodies
- Nickel, gold, silver or white bronze (tri-metal) plating
- PTFE dielectrics
- Designed for a variety of cable sizes
- RoHS compliant



See complete product catalog offering at www.rfcoaxconnectors.com

Description	Part #
N Male for LMR®-400, silver plating	RFN-1006-3I
N Male for LMR®-400, hex nut, 2 piece design	RFN-1006-49I
N Male for LMR®-400, hex nut, 2 piece design	RFN-1006-4I
N Male for LMR®-240, hex nut, 2 piece design	RFN-1006-9X
N Male for LMR®-400, nickel plating	RFN-1006-I
N Male for LMR®-400, nickel plating, 15u" gold on contact	RFN-1006-I-15
N Male for LMR®-400, hex nut, 3 piece design, white bronze (tri-metal) plating	RFN-1006-I-WB
N Male for LMR®-240	RFN-1007-2SX
N Male, Right Angle for LMR®-400	RFN-1009-I
N Male, Right Angle for LMR®-400	RFN-1009-I-99
N Male, Right Angle for LMR®-240	RFN-1009-X-04
N Female for LMR®-400	RFN-1028-SI
N Female for LMR®-240	RFN-1029-SX
SMA Male for LMR®-400	RSA-3000-I
SMA Male for LMR®-240	RSA-3000-X
SMA Male, Right Angle for LMR®-240	RSA-3010-X
TNC Male for LMR®-400	RFT-1202-I
TNC Male for LMR®-240	RFT-1203-1X
QMA Male for LMR®-240	RQA-5000-X
QMA Male, Right Angle for LMR®-240	RQA-5010-X
QMA Male, Right Angle for LMR®-240	RQA-5010-8X
QN Male for LMR®-240	RQN-1300-X

Adapters and Tool Kits

- Brass bodies
- Gold, silver and white bronze (tri-metal) plating
- PTFE dielectrics
- Portable carrying cases
- RoHS Compliant



Description	Part #
Heavy-Duty Crimp Handle and Die Kit	RFA-4009
15-Piece Mini-UHF Cellular Radio Coaxial Adapter Kit	RFA-4011
Unidapt™ Kit, 30 Piece "Build-Your-Own" Adapter Kit, silver plated	RFA-4024
Unidapt™ Kit, 30 Piece "Build-Your-Own" Adapter Kit, white bronze (tri-metal) plated	RFA-4024-WB
Mega Plus Unidapt™ Kit, 74 Piece "Build-Your-Own" Adapter Kit	RFA-4022

*Specifications subject to change without notice. LMR is a registered trademark of Times Microwave Systems.



RF Connectors

RF coaxial connectors, adapters, splitters, couplers, and installation/test kits

www.rfcoaxconnectors.com



RF Cable Assembly

RF coaxial assemblies

www.rfcables.com



Cables Unlimited

Custom cabling solutions, Corning Cable Systems CAH ConnectionsSM Gold Program member

www.cables-unlimited.com



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www.comnetsupply.com



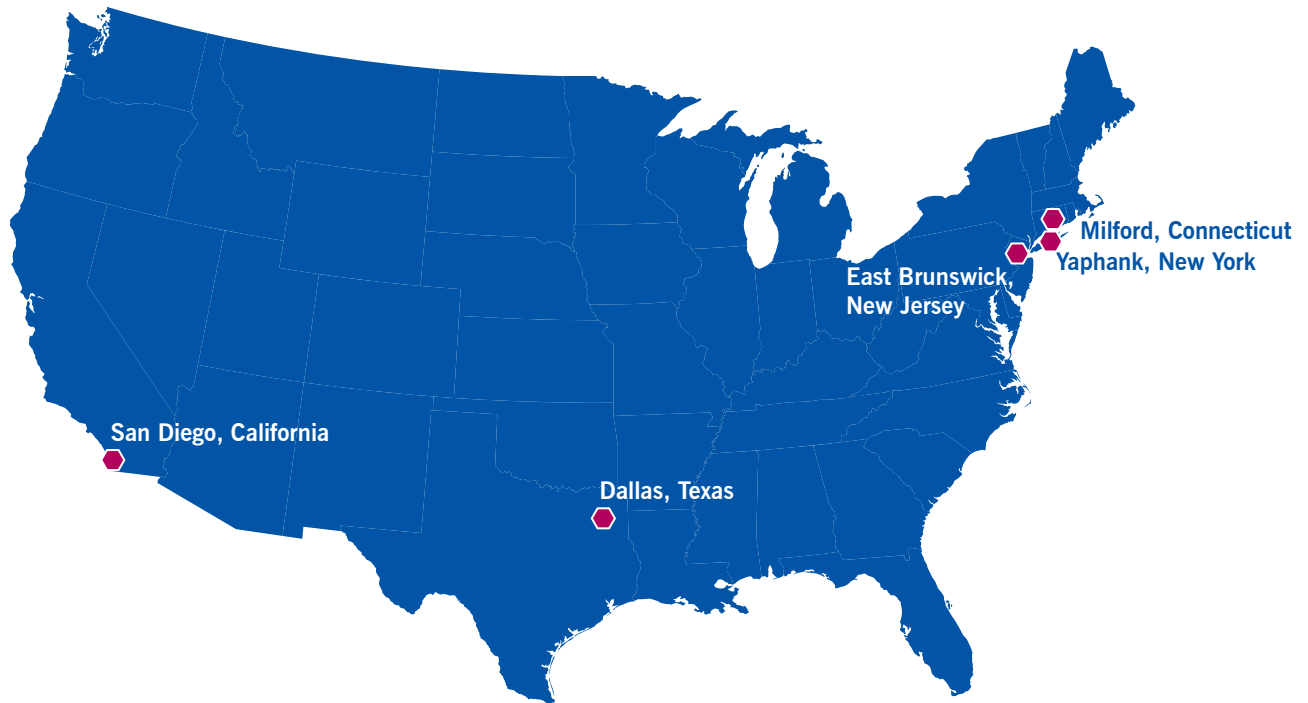
Rel-Tech

Assemblies and wiring harnesses

www.rel-tech.com

Please check our websites for our latest product offerings.

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Interconnect Solutions for a Connected World™

