



# Utilities and Energy

SCADA-Remote Monitoring-Smart Grid-Telemetry

Interconnect Solutions for a Connected World™

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RF Industries offers a wide range of RF components designed to meet the strict industry standards and requirements most utility companies face. We stock most components to provide rapid response and short lead times ensuring minimal downtime of your critical communications equipment.

## Ruggedized RF Coax Connectors and RF Coax Assemblies for Harsh Environments

**Need a fully weatherized connector that won't come loose or pull off?** Our **Comp Pro®** Product Line utilizes a patented compression technology that offers revolutionary advantages for a water-tight connection, easy, one-minute installation, and improved system reliability on LMR®-400 and LMR®-600 cables.

The Patented 360-degree compression seals out moisture, dust and air, preventing water ingress, eliminating connector-related downtime and maintenance. With 2x the pin strength of standard connectors, Comp Pro® offers superior RF signal transmission and with the highest pull strength in the industry, these connectors remain secure under high vibration and provide reliable performance in the most strenuous conditions.

## RF Coax Connectors and Assemblies

**Looking for jumpers with specific connectors and length?** We stock one of the largest selections of RF coax connectors in the U.S. From that inventory we can build custom RF coax assemblies using your choice of coax cable and connectors and lengths. From standard coax assemblies to outdoor rated assemblies with weatherproof boots, our quality is second-to-none and our standard lead time is days not weeks. Custom connector and cable configurations and lengths available including reverse polarity connectors.

LMR® Cable – the industry standard in high performance broadband, flexible, low loss 50 Ohm coaxial cables. Rugged UV, sunlight and weather resistant. 100% effective shielding. Variety of sizes and applications available.

RG-142/U – flexible 50 Ohm coax cable, double shielded with tan FEP jacket. PTFE Dielectric, 0.195" diameter.

RG-214/U – flexible 50 Ohm coax cable, double shielded with black PVC jacket. PE Dielectric, 0.425" diameter.

RG-393/U – flexible 50 Ohm coax cable, double shielded with tan FEP jacket. PTFE Dielectric, 0.39" diameter.

## Adapters and Adapter Kits

**Always seem to have the wrong jumper?** Field technicians find themselves in this situation all too often. Our adapters and adapter kits eliminate this problem. Choose from standard coax adapter kits or let us customize a kit with the adapters that you most often use. Our Unidapt kits let you build the adapter you need right in the field.

## RF Tools and Test Kits

We stock a wide variety of hand tools and kits for RF coax cable prep and connector installation. From high-quality cable cutters, crimpers and cable strippers to handheld cable testers, we stock all the necessary tools for field installation.

## Network Cables – Copper and Fiber

From our ISO9001 production facility in Southern California, we build high-quality category cables and Corning Gold certified fiber optic patch cords. From Cat5e and Cat 6 jumpers to single and multimode fiber patch cords, we have a wide range of assemblies for you to choose from or we can custom build jumpers and patch cords to meet your specific requirements.

Comp Pro is a registered trademark of RF Industries. LMR is a registered trademark of Times Microwave Systems.

# Comp Pro® Connectors & Assemblies

Comp Pro® Cable Assemblies	Part Numbers	Features
	RFW-12913-XX	N Male to N Male for LMR®-400
	RFW-12934-XX	N Male to N Male for LMR®-400LLPL Plenum and Fire Retardant
	RFW-12935-XX	N Male to N Male for LMR®-400-DB Direct Burial Cable
	RFW-12936-XX	N Male to N Female for LMR®-400
	RFW-12937-XX	N Male to N Female for LMR®-400-DB Direct Burial Cable
	RFW-12938-XX	7/16 DIN Male to 7/16 DIN Male for LMR®-400
	RFW-12939-XX	7/16 DIN Male to 7/16 DIN Male for LMR®-400-DB Direct Burial Cable
	RFW-12969-XX	N Male to N Male for LMR®-600-DB Direct Burial Cable
	RFW-12970-XX	N Male to N Male for LMR®-600
Other Comp Pro Assemblies available. Contact Sales for more options.		
Comp Pro® Connectors	Part Numbers	Features
	COMP-DM-400	7/16 DIN Male Compression Connector for LMR®-400
	COMP-NM-400	N Male Compression Connector for LMR®-400
	COMP-NM-400PL	N Male Compression Connector for LMR®-400LLPL
	COMP-NF-400	N Female Compression Connector for LMR®-400
	COMP-NRA-400	N Male Right Angle Compression Connector for LMR®-400
	COMP-TM-400	TNC Male Compression Connector for LMR®-400
	COMP-NM-600	N Male Compression Connector for LMR®-600
Other Connectors may be available. Contact Sales for more options.		
Comp Pro® Tools	Part Numbers	Features
	KIT400	Tool Kit for Type N Compression Connectors, 400 size cable
	KIT600	Tool Kit for Type N Compression Connectors, 600 size cable
	RFA-4206-04	Cable Cutter for 400 and 600 size cable
	SDT400-50	Stripping Prep Tool for 400 size cable
	SDT600-50	Stripping Prep Tool for 600 size cable
	IT50NM	Insertion Tool for N Connector – 400 & 600 size cable
	VT500	Compression Tool for 400 size Cable
	VT600	Compression Tool for 600 size cable
	TW1412	Torque Wrench for N Connectors for 400 and 600 size cable
Other Comp Pro® tools available. Contact Sales for more options.		

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# Connectors, Adapters and Kits

Connectors	Part Numbers	Features
	RFN-1005-3C	N male connector for LMR 195; RG-58 cable
	RFN-1005-3C1	N male connector for RG-142/U
	RFN-1006-I	N male connector for LMR-400
	RFN-1007-2SX	N male connector for LMR 240; RG-8X cable
	RQA-5000-C1	QMA male connector for RG-142/U cable
	RQA-5000-C	QMA male Connector for LMR 195; RG-58 cable
	RQA-5000-X	QMA male Connector for LMR 240; RG-8X cable
	RFU-600-1C1	Mini UHF Male connector for RG-142/U cable
	RFU-600-1	Mini UHF Male connector for LMR 195; RG-58 cable
	RFU-600-1X	Mini UHF Male connector for LMR 240; RG-8X cable
	RFD-1605-2-C1	7/16 DIN male connector for RG-142/U cable
	RFD-1605-2-C	7/16 DIN male connector for LMR 195; RG-58 cable
	RFD-1630-2-X	7/16 DIN male connector for LMR 240; RG-8X cable
	RSA-3000-C	SMA male connector for LMR 195; RG-58/U
	RSA-3000-C1	SMA male connector for RG-142/U
	RSA-3000-X	SMA male connector for LMR-240; RG-8X
	RP-3000-1C	SMA male Reverse Polarity connector for LMR 195; RG-58 cable
Many other connectors available. Contact Sales for more options.		
Adapter Kits and Adapters	Part Numbers	Features
	RFA-4011	Mini-UHF Adapter Kit, 15-piece
	RFA-4013	7/16 DIN Adapter Kit, 6-pieces
	RFU-620	Mini UHF male to N female adapter
	RFU-625	Mini UHF female to N male adapter
	RQA-5411	QMA male to Mini UHF female
Many other adapters and adapter kits available. Contact Sales for more options.		
Unidapt™ Adapter Kits	Part Numbers	Features
	<b>Why Unidapt™? Create any adapter you need in seconds!</b> Each Unidapt fitting has a common connector end and a universal adapter end. Simply choose the two connector ends you need and screw them together with the universal adapter.	
	RFA-4024	30-piece kit – BNC, N, SMA, TNC, UHF, Mini-UHF adapters
	PT-4000-133	Reverse Polarity SMA male Unidapt™ adapter
	PT-4000-120	7/16 DIN female Unidapt™ – add-on to kit above
	Other Unidapt™ kits and adapters available. Contact Sales for more options.	

Unidapt is a trademark of RF Industries.



# Patch Cords and Assemblies

Cat5e and Cat6 Patch Cables	Part Numbers	Features
	QERSRSKCBSQ-xxxF	Cat5E UTP 568B Outdoor Patch Cord Black
	QCRSRSKCBSQ-xxxF	Cat6 UTP 568B Outdoor Patch Cord Black
	XQ6-9001B-xxxF	Cat6 STP 568B 600v OSP Industrial Hi Flex Patch Cord Black
	XQF-9002B-xxxF	Cat6A STP 568B 600v OSP Industrial Hi Flex Patch Cord Black
	QER5R5U-xxxF	Cat5E UTP 568B CMR Patch Cord Blue
	QTR4R4UKBSU-xxxF	Cat6 F/UTP Shielded CMR Patch Cord Slim Boots Blue
Other Category and Copper Patch cables available. Contact Sales for more options.		
Fiber Patch Cords	Part Numbers	Features
	SUR002LCLCRXXPX-xxXM	LC/LC x2-fiber SM UPC OFNR Indoor/Outdoor Fiber Jumper Black
	JPRO02LCLCRXXPX-xxXM	LC/LC x2-fiber OM3 UPC OFNR Indoor/Outdoor Fiber Jumper Black
	HPRO02LCLCRXXPX-xxXM	LC/LC x2-fiber OM4 UPC OFNR Indoor/Outdoor Fiber Jumper Black
	SAOD12SBSBIRPSX-xxxF	SC/SC x12-fiber SM OSP 900 Breakout Report w/Pull Eye
	JPPA24LBLBFXXPX-xxxF	LC/LC x24-fiber OM3 OFCP Indoor Armored 2mm Breakout
Other Kits available. Contact Sales for more options.		
LMR®-195 Assemblies	Part Numbers	Features
	RFW-12559-xx	N male to N male, LMR-195 cable assembly
	RFW-5966-xx	7/16 DIN male to 7/16 DIN male, LMR-195 cable assembly
	RFW-12767-xx	QMA male to QMA male, LMR-195 cable assembly
	RFW-9442-xx	SMA male to SMA male, LMR-195 cable assembly
	RFW-13619-xx	QMA male to N male, LMR-195 cable assembly
	RFW-13406-xx	SMA male to QMA male, LMR-195 cable assembly
	RFW-13399-xx	Mini UHF male to QMA male, LMR-195 cable assembly
	RFW-13129-xx	N male to SMA male, LMR-195 cable assembly
	RFW-11131-xx	Reverse Polarity SMA male to N male, LMR-195 cable assembly
Many other cable assemblies and variations are available. Custom lengths available. xx = custom length. Contact Sales for more options.		
LMR®-240 Assemblies	Part Numbers	Features
	RFW-5586-xx	N male to N male, LMR-240 cable assembly
	RFW-7699-xx	7/16 DIN male to 7/16 DIN male, LMR-240 cable assembly
	RFW-12474-xx	QMA male to QMA male, LMR-240 cable assembly
	RFW-5785-xx	SMA male to SMA male, LMR-240 cable assembly
	RFW-12555-xx	QMA male to N male, LMR-240 cable assembly
	RFW-12367-xx	SMA male to QMA male, LMR-240 cable assembly
	RFW-13775-xx	Mini UHF male to QMA male, LMR-240 cable assembly
	RFW-5835-xx	N male to SMA male, LMR-240 cable assembly
Many other cable assemblies and variations are available. Custom lengths available. xx = custom length. Contact Sales for more options.		

LMR is a registered trademark of Times Microwave Systems.

# Cable Assemblies

LMR®-400 Assemblies	Part Numbers	Features
	RFW-5580-xx	N male to N male, LMR-400 cable assembly
	RFW-5609-xx	N male to N male Right Angle, LMR-400 cable assembly
	RFW-5628-xx	N male to N female, LMR-400 cable assembly
	RFW-5975-xx	N male to 7/16 DIN male, LMR-400 cable assembly
	RFW-7898-xx	7/16 DIN male to SMA male, LMR-400 cable assembly
	RFW-5964-xx	7/16 DIN male to 7/16 DIN male, LMR-400 cable assembly
	RFW-11661-xx	SMA male to N male, LMR-400 cable assembly
	RFW-5012-xx	SMA male to SMA male, LMR-400 cable assembly
	RFW-1919-xx	SMA male to N male Right Angle, LMR-400 cable assembly
LMR®-600 Assemblies	Part Numbers	Features
	RFW-5588-xx	N male to N male, LMR-600 cable assembly
	RFW-5642-xx	N male to N female, LMR-600 cable assembly
	RFW-7209-xx	7/16 DIN male to 7/16 DIN male, LMR-600 cable assembly
	RFW-7255-xx	7/16 DIN male to N male, LMR-600 cable assembly
RG-142/U Assemblies	Part Numbers	Features
	RFW-5573-xx	N male to N male, RG-142/U cable assembly
	RFW-12929-xx	N male to QMA male, RG-142/U cable assembly
	RFW-12975-xx	N male to Mini UHF, RG-142/U cable assembly
	RFW-13125-xx	7/16 DIN male to QMA male, RG-142/U cable assembly
	RFW-5978-xx	7/16 DIN male to SMA male, RG-142/U cable assembly
	RFW-13420-xx	Mini UHF male to N male, RG-142/U cable assembly
	RFW-5271-xx	Mini UHF male to SMA male, RG-142/U cable assembly
	RFW-12930-xx	QMA male to QMA male, RG-142/U cable assembly
RG-214/U Assemblies	Part Numbers	Features
	RFW-5128-xx	N male to N male, RG-214/U cable assembly
	RFW-12240-xx	N male to N male Right Angle, RG-214/U cable assembly
	RFW-12364-xx	N male Right Angle to N male Right Angle, RG-214/U cable assembly
	RFW-11815-xx	N female to N male, RG-214/U cable assembly
	RFW-12321-xx	N female to N female, RG-214/U cable assembly
	RFW-11668-xx	7/16 DIN male to N male, RG-214/U cable assembly
	RFW-12813-xx	7/16 DIN male to N female, RG-214/U cable assembly
Custom lengths available. xx = custom length.		
Many other cable and connector combinations available. Contact sales for more options and information.		

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# Cable Assemblies

RG-393/U Assemblies	Part Numbers	Features
	RFW-5171-xx	N male to N male, RG-393/U cable assembly
	RFW-5142-xx	N male to N male Right Angle, RG-393/U cable assembly
	RFW-5149-xx	N male to N female, RG-393/U cable assembly
	RFW-12599-xx	7/16 DIN male to 7/16 DIN male, RG-393/U cable assembly
	RFW-11488-xx	7/16 DIN male to N male, RG-393/U cable assembly
Many other cable assemblies and variations are available. Custom lengths available. xx = custom length. Contact Sales for more options.		
Cat 5e/ Cat 6 Installation	Part Numbers	Features
	RFA-4219	CAT5 Cable Assembly kit
	RFA-4220	CAT 5 Cable Assembly & Test Kit
	RFA-4218-20	CAT 5/6 Cable Tester
	RFA-4202	RJ-45 3-in-1 tool. Cutting, Stripping and Crimping
	RFA-4210	Impact Punchdown tool
	RJ45-8P8C-1K	RJ45 Plug, 8 Pins, FCC standard, UL942v-2 Flame Grade
	RJ45-BOOT-BK1K	RJ45 Boot, vinyl, black
Coax Installation Kits	Part Numbers	Features
	RFA-4009-200	Deluxe Coax Crimp Kit – steel piston ratcheting crimp tool, 5 dies
	RFA-4009	Basic Coax Crimp Kit – steel piston ratcheting crimp tool, 2 dies
	RFA-4511	N connector installation kit for LMR-400
	RFA-4005-520	Economy Coax Crimp Kit – ratcheting handle, 10 die sets
	RFA-4006-500	Commercial grade crimping tool and die kit. RG-174/U to LMR-400
	RFA-4017	Coax cable testing kit – includes Coaxial cable tester
	RFA-4018	Unidapt coaxial cable testing kit – incl Unidapt cable tester
	RFA-4017-01	Coaxial Cable Tester
	RFA-4018-20	Unidapt Coaxial Cable Tester
Other Kits available. Contact Sales for more options.		
Coax Installation Hand Tools	Part Numbers	Features
	RFA-4009-20	Professional Grade Crimp Tool – steel piston ratcheting
	RFA-4087	Coax stripping tool with adjustable blades
	RFA-4400	Cable stripper for LMR-400 size cable
	RFA-4420	Cable Devil – coax cable prep tool
	RFA-4080 or RFA-4081	Stainless steel, 6-piece, pliers kit – serrated jaws or smooth jaws
	RFA-4206	Cable Cutter – cuts up to 1 AWG copper and aluminum cable
	RFA-4080-1	Side Cutter – stainless steel, 4 1/2" long
	RFA-4080-4	Flat Long Nose pliers, serrated jaws, 5' long
Many other cable connector and tool combinations available. Contact Sales for more options.		

## Design – Production – Inventory

We have 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

We 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 9001:2015

Underwriters Laboratory Recognized

Telcordia GR-326 Issue 4



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

## Corning Gold

C Enterprises and Cables Unlimited are part of an elite group of cable assembly houses (CAHs) that meet the high standards for eligibility in the Corning Cable Systems CAH Connections<sup>SM</sup> Gold Program for optical patch cord manufacturers.

## Corning Extended Warranty Program

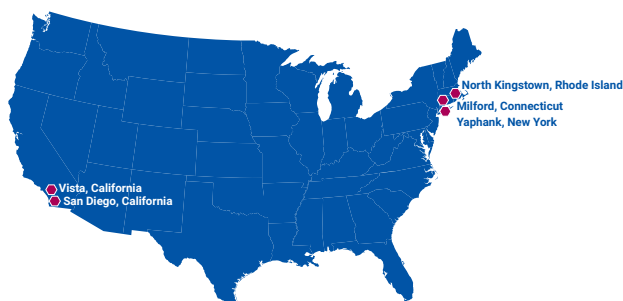
As members of the CAH Connections Gold Program, C Enterprises and Cables Unlimited are divisions of RF Industries, that offer a Corning Cable Systems 25-year Extended Warranty<sup>SM</sup> coverage for single and 2 fiber patch cords manufactured by and installed by a certified NPI member.

## Shipping

Our experienced staff employs best-practice packaging and shipping methods. We manage weight and dimensions to ensure the lowest shipping costs with our quick-ship capabilities.



Interconnect Solutions for a Connected World<sup>TM</sup>



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