



Public Safety DAS

For your In-Building Needs

Interconnect Solutions for a Connected World™

Public Safety DAS

Emergency response personnel rely on code-compliant in-building network coverage on multiple frequency bands for their time-sensitive communications over two-way radio and PoC devices. The network coverage they depend on must work regardless of their location within the building.

An industry compliant Public Safety DAS starts with a good design and the right components. All of our Public Safety DAS components meet or exceed industry standards and are backed by over 30 years of industry experience and our commitment to delivering a quality product.

Any DAS system requires 3 main principles for successful deployment – Design, Installation, and Maintenance. Our Public Safety DAS components have been selected with these principles in mind to get your networks up and running as efficiently and effectively as possible.

Design – Our components use the latest technology available and are IP rated for indoor or outdoor use. All components are listed in iBwave for easy selection during project planning and design mapping.

Installation – Our Public Safety DAS components feature a compact design allowing for easy installation in small spaces or cabinets. The RED coating makes them easily identified as part of the Public Safety DAS system.

Maintenance – Our components are designed to be virtually maintenance free. Each component is engineered to the highest standards providing many years of maintenance free service.

Our Public Safety DAS Components

The RF Industries line of Public Safety Passive components are designed specifically for Public Safety DAS. Their wide frequency range (138 – 960 MHz) covers VHF, UHF, FirstNet, 700 MHz, 800 MHz, and 900 MHz systems. All feature an easily identifiable red coating, are RoHS compliant and have an IP rating allowing them to be used in both indoor and outdoor applications. Each component has been thoroughly tested to meet or exceed industry standard compliance and regulations.

Splitters

Our 50-Watt Wilkinson Power Splitters evenly split power between 2 or more ports and their compact design takes up less installation space and their IP65 rating makes them the perfect choice for indoor or outdoor applications.




Directional Couplers

Our Public Safety Directional Couplers have an average power rating of 200 Watts and should be used to improve DAS system performance by balancing loss at each antenna node thus reducing overall costs by eliminating the need for in-line boosters. All Couplers are IP67 rated for indoor or outdoor applications.

Tappers

Our Public Safety Power Tappers feature an average power rating of 200 Watts and couple the signal without directivity. Low Insertion Loss and VSWR and IP65 rating make them a perfect choice for any Public Safety DAS.

Couplers, Splitters and Tappers

Directional Couplers	Part Numbers	Features
	RFDC-48DBPS-NF	N Female, 138-960 MHz, 4.8dB
	RFDC-6DBPS-NF	N Female, 138-960 MHz, 6dB
	RFDC-7DBPS-NF	N Female, 138-960 MHz, 7dB
	RFDC-8DBPS-NF	N Female, 138-960 MHz, 8dB
	RFDC-10DBPS-NF	N Female, 138-960 MHz, 10dB
	RFDC-13DBPS-NF	N Female, 138-960 MHz, 13dB
	RFDC-15DBPS-NF	N Female, 138-960 MHz, 15dB
	RFDC-20DBPS-NF	N Female, 138-960 MHz, 20dB
	Other Couplers available. Contact Sales for more options	
Splitters	Part Numbers	Features
	RFPS-2PS-NF	N Female, 2-Way, 100W, 138-960 MHz, IP65
	RFPSW-2PS-43F	4.3-10 Female, 2-Way, Wilkinson, 50W, 138-960 MHz, IP65
	RFPSW-2PS-NF	N Female, 2-Way, Wilkinson, 50W, 138-960 MHz, IP65
	RFPSW-3PS-43F	4.3-10 Female, 3-Way, Wilkinson, 50W, 138-960 MHz, IP65
	RFPSW-3PS-NF	N Female, 3-Way, Wilkinson, 50W, 138-960 MHz, IP65
	RFPSW-4PS-43F	4.3-10 Female, 4-Way, Wilkinson, 50W, 138-960 MHz, IP65
	RFPSW-4PS-NF	N Female, 4-Way, Wilkinson, 50W, 138-960 MHz, IP65
	Other Splitters available. Contact Sales for more options	
Tappers	Part Numbers	Features
	RFPT-NF-PS3	N Female, 3dB, 138-960 MHz, IP65
	RFPT-NF-PS6	N Female, 6dB, 138-960 MHz, IP65
	RFPT-NF-PS10	N Female, 10dB, 138-960 MHz, IP65
	RFPT-NF-PS15	N Female, 15dB, 138-960 MHz, IP65
	RFPT-NF-PS20	N Female, 20dB, 138-960 MHz, IP65
	RFPT-NF-PS30	N Female, 30dB, 138-960 MHz, IP65
	Other Tappers available. Contact Sales for more options	


All product specifications are subject to change without notice. Website information will always be most current and complete.

Attenuators and Loads

Attenuators	Part Numbers	Features
	RF-ATN-43MF-5W3	4.3-10 Male to 4.3-10 Female, 5 Watt, 3dB
	RF-ATN-43MF-5W4	4.3-10 Male to 4.3-10 Female, 5 Watt, 4dB
	RF-ATN-43MF-5W5	4.3-10 Male to 4.3-10 Female, 5 Watt, 5dB
	RF-ATN-43MF-5W6	4.3-10 Male to 4.3-10 Female, 5 Watt, 6dB
	RF-ATN-43MF-5W7	4.3-10 Male to 4.3-10 Female, 5 Watt, 7dB
	RF-ATN-43MF-5W8	4.3-10 Male to 4.3-10 Female, 5 Watt, 8dB
	RF-ATN-43MF-5W9	4.3-10 Male to 4.3-10 Female, 5 Watt, 9dB
	RF-ATN-43MF-5W10	4.3-10 Male to 4.3-10 Female, 5 Watt, 10dB
	RF-ATN-43MF-5W11	4.3-10 Male to 4.3-10 Female, 5 Watt, 11dB
	RF-ATN-43MF-5W12	4.3-10 Male to 4.3-10 Female, 5 Watt, 12dB
	RF-ATN-43MF-5W13	4.3-10 Male to 4.3-10 Female, 5 Watt, 13dB
	RF-ATN-NMF-5W2	N Male to N Female, 5 Watt, 2dB
	RF-ATN-NMF-5W3	N Male to N Female, 5 Watt, 3dB
	RF-ATN-NMF-5W6	N Male to N Female, 5 Watt, 6dB
	RF-ATN-NMF-5W10	N Male to N Female, 5 Watt, 10dB
	RF-ATN-NMF-5W20	N Male to N Female, 5 Watt, 20dB
	RF-ATN-NMF-50W6	N Male to N Female, 50 Watt, 6dB
	Other Attenuators available. Contact Sales for more options	
Low PIM Attenuators	Part Numbers	Features
	RF-ATNLP-43MF-5W3	Low PIM 4.3-10 Male to 4.3-10 Female, 5 Watt, 3dB
	RF-ATNLP-43MF-5W5	Low PIM 4.3-10 Male to 4.3-10 Female, 5 Watt, 5dB
	RF-ATNLP-43MF-5W8	Low PIM 4.3-10 Male to 4.3-10 Female, 5 Watt, 8dB
	RF-ATNLP-43MF-5W10	Low PIM 4.3-10 Male to 4.3-10 Female, 5 Watt, 10dB
	RF-ATNLP-43MF-5W20	Low PIM 4.3-10 Male to 4.3-10 Female, 5 Watt, 20dB
	Other Low PIM Attenuators available. Contact Sales for more options	
Termination Loads	Part Numbers	Features
	RFDL-2W-43M	4.3-10 Male, DC-6GHz, 2W
	RFDL-5W-43M	4.3-10 Male, DC-6GHz, 5W
	RFDL-10W-43M	4.3-10 Male, DC-3GHz, 10W
	RFDL-20W-43M	4.3-10 Male, DC-6GHz, 20W
	RFDL-2W-NM	N Male, DC-6GHz, 2W
	RFDL-5W-NM	N Male, DC-6GHz, 5W
	RFDL-15W-NM	N Male, DC-6GHz, 15W
	RFDL-30W-NM	N Male, DC-3GHz, 30W
	Other Load Types available. Contact Sales for more options	

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Adapters and Kits

Adapters	Part Numbers	Features
	P2RFN-F-F	Low PIM N Female to N Female
	P2RFN-M-F	Low PIM N Male to N Female
	P2RFN-M-M	Low PIM N Male to N Male
	P2RFN-1012-4	Low PIM N Male to N Female Right Angle
	RFD-43F-F	Low PIM 4.3-10 Female to 4.3-10 Female
	RFD-43F-NF	Low PIM 4.3-10 Female to N Female
	RFD-43F-NM	Low PIM 4.3-10 Female to N Male
	RFD-43M-F	Low PIM 4.3-10 Male to 4.3-10 Female
	RFD-43M-FRA	Low PIM 4.3-10 Male to 4.3-10 Female, Right Angle
	RFD-43M-M	Low PIM 4.3-10 Male to 4.3-10 Male
	RFD-43M-NF	Low PIM 4.3-10 Male to N Female
	RFD-43M-NM	Low PIM 4.3-10 Male to N Male
	RFA-4310-01	Low PIM 4.3-10, 7 piece Adapter Kit
	Other Adapters available. Contact Sales for more options	
Low PIM Adapter Kits	Part Numbers	Features
	RFA-4310-01	Low PIM 4.3-10 to N Adapter Kit, 7 piece
	RFA-4310-02	Low PIM 4.3-10 to 7-16 DIN Adapter Kit, 7 piece
	P2RFA-4013-SS	Low PIM N to 7-16 DIN Adapter Kit, 6 piece
	RFA-4195-01	Low PIM 4.1-9.5 Mini DIN to N Adapter Kit, 6 piece
	RFA-4195-03	Low PIM 4.1-9.5 Mini DIN to N Adapter Kit, 7 piece
	Other Kits available. Contact Sales for more options	
Unidapt Adapter Kits	Part Numbers	Features
	RFA-4024-LP1	Low PIM Unidapt Kit
	RFA-4024-DAS	Unidapt DAS Kit
	Other Kits available. Contact Sales for more options	

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Cable Assemblies

Times Microwave LMR® LLPX Plenum Cable



N Male
LMR®-400-LLPX cable



N Male Compression
LMR®-400-LLPX cable



N Male Hex
LMR®-400-LLPX cable



N Male Right Angle
LMR®-400-LLPX cable

FEATURES

- Low Loss
- Extended temperature range (-40°C to 125°C)
- Higher power handling
- Higher Oxygen Index jacket for improved plenum flame and smoke performance
- Lower coefficient of friction for easier installations
- Better cut-through and abrasion resistance
- Advanced chemical resistance and overall UV resistance

CABLES

LMR®-195LLPX, LMR®-200LLPX, LMR®-240LLPX, LMR®-400LLPX and LMR®-600LLPX

Belden RG-142P Plenum Cable



N Male



N Male Right Angle

FEATURES

- MIL-DTL-17, M17/158-00001
- UL/NEC/CSA rated CMP/FT6
- Highly flexible and bendable
- High Temperature

Times Microwave SP0™-250 Low PIM 1/4 inch Flexible Cable



4.3-10 Male



4.3-10 Male
Right Angle



N Male



N Male Right Angle

FEATURES

- Low Passive Intermodulation Distortion (PIM)
- Cable assemblies are 100% PIM tested
- Available in any required connector configuration and length
- Super flexible for ease of installation
- Corrugated copper outer conductor providing greater than 100dB shielding

GENERAL SPECIFICATIONS

Impedance..... 50Ω
3rd Intermodulation Test 2X +43dBm Tones
IM3 4.3-10 (only)≤-160dBc@700MHz &1900Mhz
IM3 (all others)≤-155dBc@700MHz &1900Mhz

CABLE ASSEMBLIES

Assemblies use connectors designed and manufactured by RF Industries.

Use [RF Cable Configurator](#) to create assemblies on-line at www.rfindustries.com. Create your own assembly—length, connector and cable.

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LMR is a registered trademark of Times Microwave Systems. SP0 is a trademark of Times Microwave Systems.

Times Microwave TFT™-402, Low PIM Plenum Cable



4.1-9.5 (Mini) DIN
Male Right Angle



4.3-10 Male



N Male



N Male Right Angle

FEATURES

- Low Passive Intermodulation Distortion (PIM)
- Cable assemblies are 100% PIM tested
- Available in any required connector configuration and length
- UL910 plenum rated, satisfying building code requirements
- Highly flexible for ease of installation
- Highly flexible flat braided outer conductor
- Cost effective alternative to .141 inch size semi-flexible solder braid cables

GENERAL SPECIFICATIONS

Operating frequency

TFT™-402-LF up to 6GHz

TFT™-402..... up to 6GHz

Impedance..... 50Ω

3rd Intermodulation Test 2X +43dBm Tones

IM3 4.3-10 (only)≤-160dBc@700MHz &1900Mhz

IM3 (all others)≤-155dBc@700MHz &1900Mhz

Operating Temperature Range-55 to + 150°C

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



4.3-10 Male



N Female



N Male



N Male Right Angle

FEATURES

- Low Passive Intermodulation Distortion (PIM)
- Cable assemblies are 100% PIM tested
- Available in any required connector configuration and length
- UL910 plenum rated, satisfying building code requirements
- Corrugated copper outer conductor providing greater than 100dB RF Shielding
- Highly flexible for ease of installation

GENERAL SPECIFICATIONS

Operating frequency up to 6GHz

Impedance..... 50Ω

3rd Intermodulation Test 2X +43dBm Tones

IM3 4.3-10 (only)≤-160dBc@700MHz &1900Mhz

IM3 (all others)≤-155dBc@700MHz &1900Mhz

Operating Temperature Range-55 to + 200°C

CABLE ASSEMBLIES

Assemblies use connectors designed and manufactured by RF Industries.

Use [RF Cable Configurator](#) to create assemblies on-line at www.rfindustries.com. Create your own assembly—length, connector and cable.

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TFT and SPP is a trademark of Times Microwave Systems.

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 ConnectionsSM Gold Program for optical patch cord manufacturers.

Corning Extended Warranty Program

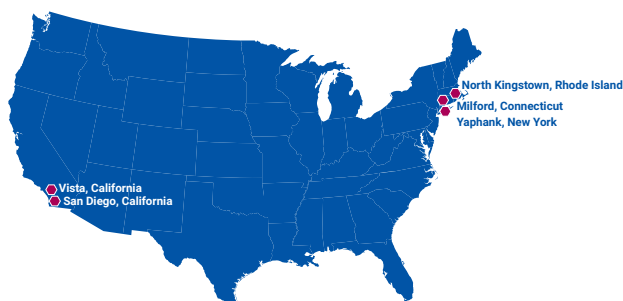
As members of the CAH Connections Gold Program, C Enterprises and Cables Unlimited are divisions of RF Industries, that offer a Corning Cable Systems 25-year Extended WarrantySM coverage for single and 2 fiber patch cords manufactured by and installed by a certified NPI member.

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 WorldTM



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