



RADIO
FREQUENCY
SYSTEMS

Transmission Line

SETTING THE WORLD STANDARD

in communications cables





What 120 years of continuous innovation brings to today's Transmission Line solutions

Many companies sell transmission line solutions, but only one company has been at the **leading edge of transmission line innovation for 120 years**: RFS. Our legacy of innovation and world firsts started in 1900 when German engineer, Louis Hackethal, invented the first insulated wire.

Since then, we've continued the tradition, **pioneering numerous breakthroughs** in cable materials, construction and electrical performance to set new standards the industry continues to rely on:

1951



RFS delivers the world's first corrugated, seam-welded coaxial cable

1961



RFS pioneers CELLFLEX®, the foam dielectric corrugated coaxial cables that quickly became the industry's preferred choice for base station applications

1972

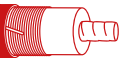


RFS delivers RADIAFLEX®, the world's first radiating coaxial cable

2006



RFS delivers CELLFLEX Lite, the world's first foam-dielectric RF coaxial cable with an aluminum outer conductor to reduce weight and reduce reliance on costly, theft-prone copper



And on it goes. Today, we continue to achieve **worlds firsts and lead the industry in transmission line innovation, quality and reliability**. Our customers know we are here for the long term. And they know we will continue to go above and beyond the efforts of other vendors to anticipate their needs and enable their next phases of evolution.

Our comprehensive portfolio of **fire-resistant and futureproof** transmission line solutions cannot be matched.



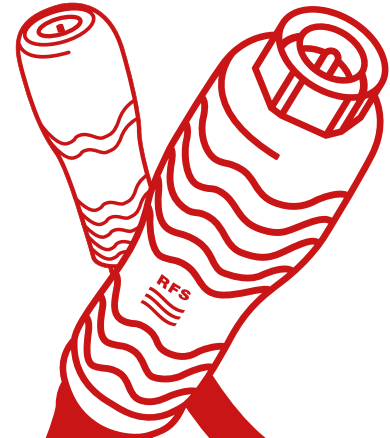
The industry's only 5G-ready portfolio of coaxial cables, connectors and jumpers

As networks and technologies continue to evolve, the only **cost-effective and practical approach** is to deploy transmission line solutions that are designed for today's needs and tomorrow's potential.

Our entire portfolio of coaxial cables **is engineered from the ground-up to support frequencies from low MHz ranges all the way to 6 GHz with very low losses.** As a result, they are ideal to take advantage of emerging spectrum and evolve to 5G anywhere in the world — no matter which stage of evolution you are in today.

To ensure optimal performance end-to-end and enable **fully futureproof deployments**, all of our renowned, field-installable **OMNI FIT™** connectors and our factory-fit jumpers also support frequencies up to 6 GHz.

futureproof coaxial cables
that supports
**UP TO 6GHz WITH
VERY LOW LOSS**
anywhere in the world





World-leading fire protection

Communications cables in indoor environments such as buildings, tunnels, mines and oil platforms must deliver the ultimate in fire resistance. To keep people connected when they need it most, we developed:

- DragonSkin™, the first and only in-building coaxial cable to receive UL 2196 certification with no metal conduit, extensive wrapping or fire-resistant enclosure. The standalone DragonSkin cable is proven to maintain communications while exposed to temperatures up to 1010 °C (1850 °F) for a minimum of two hours.
- CELLFLEX and RADIAFLEX cables that meet the top Construction Products Regulation (CPR) rating of B2ca with a d0 droplets rating.

fire-resistant cables
that meet the
TOP CPR RATING
with a d0 droplets rating





The very best electrical performance

Superior electrical performance is essential to **maximize throughput and efficiency**. We've put tremendous time and resources into ensuring all of our transmission line solutions deliver world-class attenuation, return loss, and passive intermodulation (**PIM**) **performance**. Here are just three examples of our achievements:

- OMNI FIT Premium connectors integrate groundbreaking design concepts to deliver **the best PIM levels in the industry**.
- CELLFLEX NEX10 jumpers bring our **industry-leading UltraPIM performance** to the most space-constrained network deployments.
- CELLFLEX Lite aluminum cables deliver electrical performance that **matches or exceeds the performance** of most other vendors' copper transmission cables.

SUPERIOR ELECTRICAL PERFORMANCE

delivering world-class attenuation, return loss and PIM performance





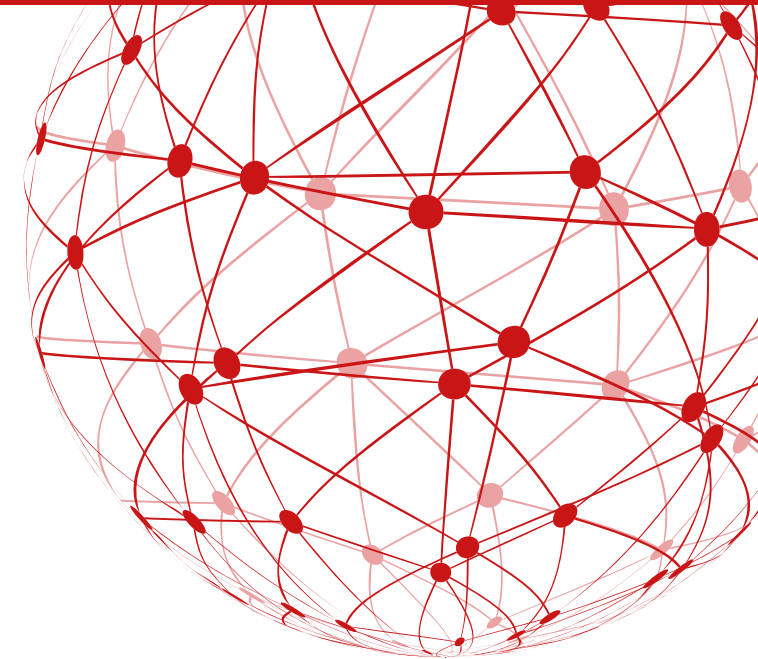
End-to-end solutions available worldwide

Sourcing and acquiring all of the components in **an end-to-end transmission solution** is time-consuming. It can also lead to unexpected compatibility issues during deployments and uneven quality and reliability levels across the end-to-end solution.

To eliminate these issues, **we offer a comprehensive portfolio of reliable, high-quality transmission line solutions** that are designed to work seamlessly together. Our portfolio includes:

- Feeder cables, booted jumpers and connectors for **antenna cabling**
- Multiplexing solutions for **small cell, macro and in-building applications**
- **Lightning protection** solutions
- Radiating cables that enable the **world's fastest MIMO solutions indoors**
- Flexible waveguides for 5G and defense applications

We are your local supplier wherever you are. With our **global manufacturing and distribution capabilities**, our customers and our channel partners — a vibrant, global network of distributors, systems integrators and value-added resellers — can rely on us to deliver the transmission line solutions they need, when they need them.



**HIGH-QUALITY
TRANSMISSION LINE
SOLUTIONS**
to eliminate all
end-to-end issues



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our newsletter

CONTACT US TODAY

to learn how we can help you quickly get the end-to-end transmission line solutions you need to address your toughest challenges.

BRAZIL

Sao Paulo
+55 11 4785 6000
sales.latam@rfsworld.com

CHINA

Shanghai
+86 21 3773 8888
sales.apn@rfsworld.com

FRANCE, ITALY, SPAIN

Paris, Vimercate, Madrid
sales.europe@rfsworld.com

UK

Haddenham
+44 1844 294900
sales.europe@rfsworld.com

GERMANY

Hannover
+49 511 676 55 - 0
sales.europe@rfsworld.com

INDIA

Gurgaon
+91-124-4092788
sandeep.bhatla@rfsworld.com

NORTH AMERICA

Meriden, CT
+1.800.321.4700
sales.americas@rfsworld.com

AUSTRALIA

Kilsyth
+61 3 9751 8400
sales.aps@rfsworld.com

MEXICO

Tlalnepantla de Baz
+52 55 2881-1100
sales.latam@rfsworld.com

RUSSIA

Moscow
+7 495 258 0649
rfs.russia@rfsworld.com

UAE

Dubai
+971 4 568 7979
rfs.middle-east@rfsworld.com

For more information, visit:
www.rfsworld.com

Follow us on Twitter:
www.twitter.com/RFSworld