



RADIO
FREQUENCY
SYSTEMS

Power and Fiber Solutions

CUSTOMIZE WITH COMPLETE CONFIDENCE





How to get the hybrid cables you need for faster, easier network evolution

Riser and jumper cables that combine **DC power and optical fiber in a single cable** are a great way to reduce installation time, costs and complexity for remote radio head (RRH) deployments. But the challenges of adding new equipment to already-crowded sites can make it extremely difficult to find the right hybrid cables for the job.

All too often, familiar vendors only sell hybrid cables in standard configurations. They're focused on high-volume sales and don't have the motivation or agility to develop custom solutions. Lesser-known vendors may be willing to customize solutions, but lack the track record of field-proven quality and reliability that's needed to **minimize risks and protect investments**.

RFS is the only vendor with the expertise, experience and agility needed to design custom hybrid cable solutions you can rely on and deliver those solutions in an economical way. We've been at **the leading edge of cable innovation for 120 years**, specializing in both high-volume and niche solutions. And we've been a world leader in hybrid power and fiber optic cables for more than 20 years.

Our hybrid cable solutions are **recognized globally for their quality, performance and long-term reliability**.

**HYBRIFLEX is
MANUFACTURED
AROUND THE WORLD
and is available everywhere
you need it to be**





Find a configuration for every application

To help mobile operators and installers address unique deployment scenarios and challenges, hybrid cable designers must be ready, **willing and able to adapt their solutions to meet specific requirements** for:

- Numbers of fiber optic strands and power wires
- Fiber types
- Power wire gauges
- Connector types
- Cable and jumper lengths

RFS offers a broad portfolio of hybrid cable solutions. In many cases, we already have the solutions needed. When specific or unique configurations are required, **we have the expertise and agility** to efficiently adapt our designs to deliver any combination of:

- Riser cables and jumpers: Fiber and power combined or fiber-only, in any lengths
- Power wires: Single or multi-conductor, armored or unarmored, 4 AWG to 20 AWG
- Optical fiber: Single or multi-pair, riser or jumper, single-mode or multi-mode
- Accessories: Enclosures, clamps, hangers, hoist grips, grounding mechanisms

All of our standard and custom hybrid cable solutions are engineered for fast and easy installation. Tests have proven that using our **HYBRIFLEX® hybrid cables can reduce installation time on towers** by up to 70 percent compared to separate power and fiber optic cables.

we have the
expertise and agility
to efficiently adapt
our designs to
**DELIVER ANY
COMBINATION**





Focus on 5G-ready solutions

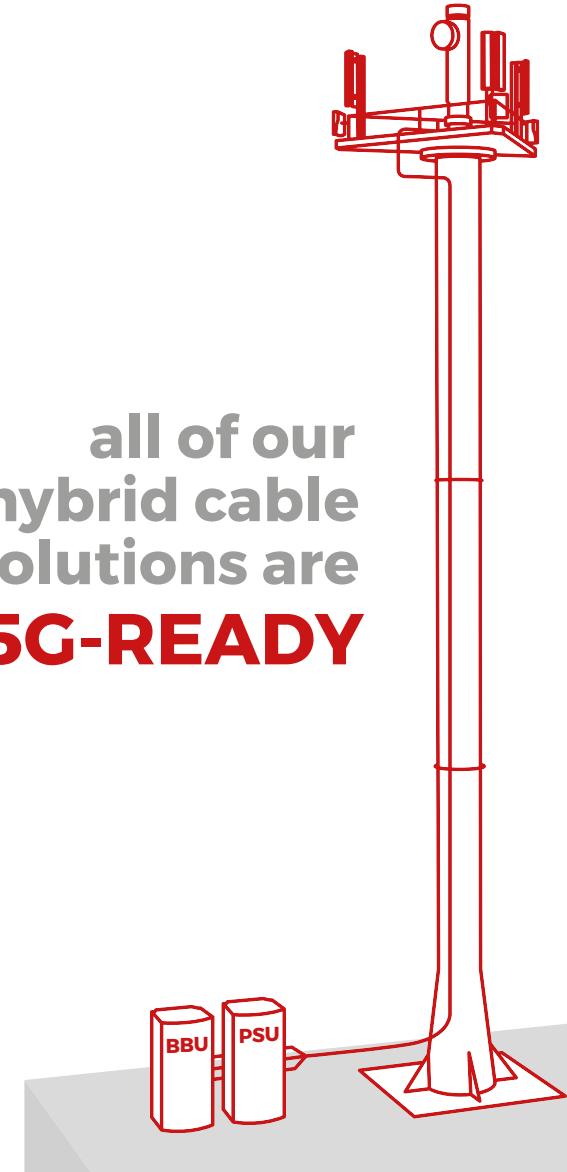
From a cabling perspective, **5G network rollouts** bring unique physical and technical challenges. All of our frequency- and technology-agnostic hybrid cable solutions are 5G-ready. And we partner closely with our customers to design and deliver reliable, high-quality hybrid cable solutions that support critical new 5G equipment in the most efficient way possible. Here are just three examples:

- **HYBRIFLEX 12x24* riser cables with expedited shipping** are available in 63 assemblies, and in lengths up to 213 meters (700 feet), to accelerate network evolution to 5G.
- **HYBRIFLEX riser cables for high-power 5G radios** are available in 6x24* and 3x12* configurations, and in lengths up to 130 meters (427 feet), to support the higher power and optical interface requirements of 5G radios.
- **HYBRIFLEX jumper cables** for small cell 5G millimeter wave (mmWave) radios are available in hybrid and fiber-only configurations, and in lengths up to 30 meters (100 feet), to give operators the flexibility to install small cell 5G mmWave radios in any location and take advantage of any power source.

As networks, technologies and requirements evolve, we will continue to **adapt our hybrid cable designs and production capabilities to help our customers address their toughest challenges.**

**Power pairs x Fiber pairs*

all of our
hybrid cable
solutions are
5G-READY





Choose a local partner with a global footprint

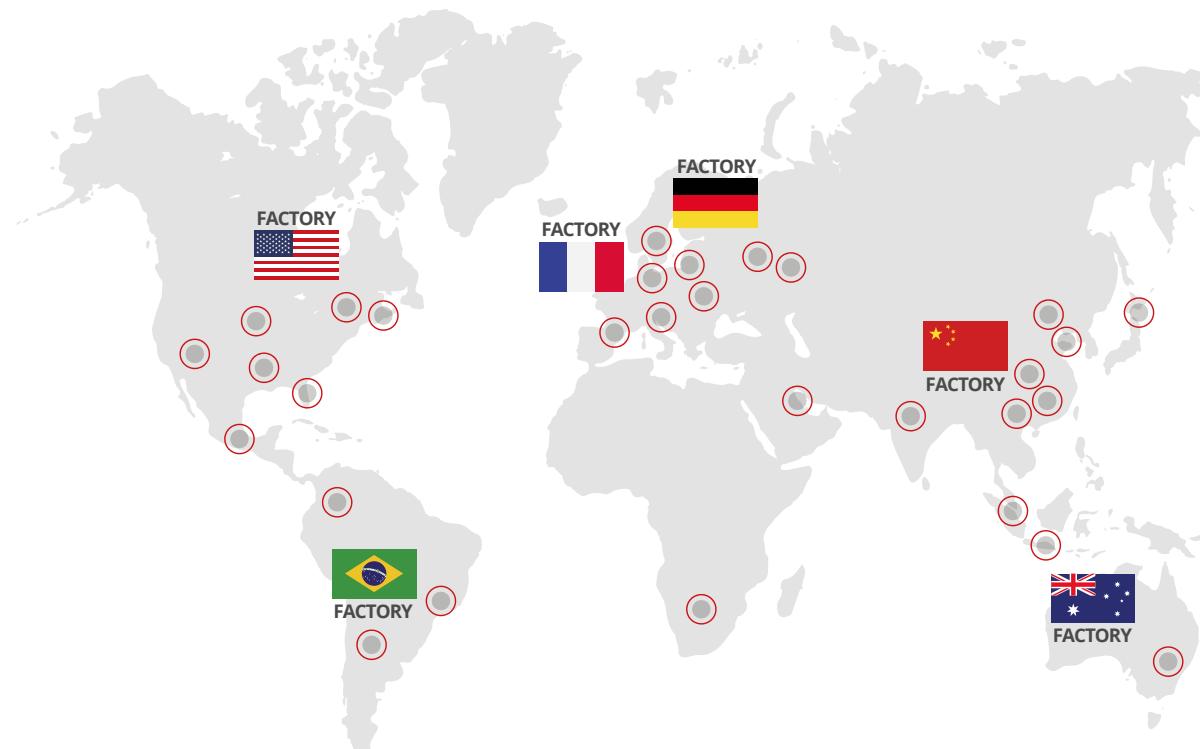
The ability to deliver the **right hybrid cable solutions at the right time, anywhere in the world**, is essential to keep network rollouts on schedule.

Our **global network of distributors**, systems integrators and value-added resellers is backed by manufacturing facilities on four continents.

We have the scale, flexibility and facilities to shift production to alternate locations should disaster strike. We can also stagger our manufacturing operations around the world and adapt logistics and transportation as situations evolve to ensure continuous solution delivery — **no matter where you're located**.

Over the last 120 years, we've adapted and thrived **in the face of major world and industry changes and challenges**, and we will continue that tradition.

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CONTACT US TODAY

to learn how we can help you get the hybrid cables
you need to accelerate and simplify network evolution.

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