



Rochester  
Cable

# Wireline Cables for Downhole Logging

More than 60 years of innovation in wireline cable



# Why Rochester Cable for wireline

With more than 60 years of wireline experience, Rochester Cable designs and manufactures rugged cable solutions for harsh downhole environments. With a legacy dating back to 1794, we are proud to be one of the oldest manufacturers in the United States. Manufactured in Culpeper, Virginia, our wireline cables are built to deliver the strength, electrical integrity, and durability required for reliable field performance.



## Backed by Hexatronic Group

As part of Hexatronic Group, Rochester Cable is backed by broader engineering knowledge, global reach, and access to complementary technologies. Within Hexatronic's Harsh Environment business area, Rochester contributes to a broader offering built around dynamic cables, connectivity, and sensing for demanding applications where reliability matters.

## An Integrated Approach

In-house design, manufacturing, testing, and close collaboration keep cable design aligned with tool requirements, operating conditions, and long-term performance expectations. Every step from requirements through validation happens under one roof.

## What customers can rely on



**In-house collaboration**  
from early requirements  
through build and validation



**Design flexibility**  
to meet electrical,  
mechanical, and  
environmental needs



**Manufacturing  
discipline** focused on  
consistency and quality



**Testing capability** aligned  
with high-performance  
expectations

## Industries and applications served

- Oil and gas operators
- Energy service companies
- Tool manufacturers
- Reservoir engineers
- Exploration and geophysical teams
- Logging and evaluation
- Reservoir analysis
- Perforating and intervention
- Running and pulling tools
- Real-time communication from the bottom of the well

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Recognized for meeting quality, safety, and compliance requirements.



# Wireline cable overview

A quick look at the cable families Rochester Cable supports across demanding downhole applications.

## Cased-Hole Cables

The foundation of our wireline offering for dependable performance across a wide range of logging and intervention work.



## Open-Hole Cables

Designed for advanced formation evaluation and applications that demand higher power, greater signal capacity, or both.



## Sour Service Hydrogen Sulfide (H<sub>2</sub>S)-Resistant Cables

Built for corrosive environments and regulated sour-service applications.



## Geothermal Cables

Designed for extreme-temperature environments where heat and operating stress place additional demands on cable performance.



## Fiber Optic and Hybrid Cables

Built for applications that require fiber capability alongside the mechanical strength needed for harsh downhole service.



## VIRIDIS™ Jacketed Cables

A cleaner, jacketed alternative to traditional exposed-armor designs.



## Custom Cable Solutions

Tailored constructions designed around your specific tools, well conditions, and operating requirements.



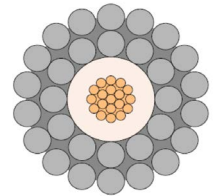
# Wireline families

Designed and manufactured in Culpeper, Virginia, Rochester Cable's wireline families deliver proven strength, electrical integrity, and durability across demanding downhole applications. Built on decades of wireline expertise, our portfolio is designed to provide consistent performance and long service life in the environments operators face.

## Cased-Hole Cables

Engineered for dependable performance across the full range of cased-hole operations, Rochester Cable's cased-hole families form the foundation of our wireline offering.

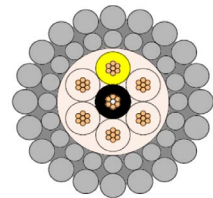
- Multiple cable sizes and constructions to support a broad range of logging and intervention tools
- Galvanized, stainless, and premium alloy armor options that balance strength, corrosion resistance, and service life
- Mechanical and electrical performance designed to maintain signal integrity and pulling capacity in challenging wells
- Temperature ratings from 300°F to 600°F for standard through high-temperature cased-hole operations



## Open-Hole Cables

Designed for advanced formation evaluation that requires higher power and greater signal capacity, Rochester Cable's open-hole families support more complex downhole measurements and tool requirements.

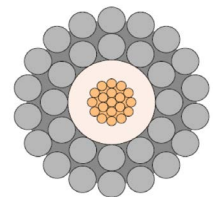
- Two- to seven-conductor and hybrid configurations for multi-signal, high-speed data and power-intensive tools, including fiber optic hybrid versions
- Customizable diameters and constructions to optimize performance for specific toolstrings and well profiles
- High-power delivery and clear telemetry for reliable operation in deep or high-deviation surveys
- Flexible designs for complex logging suites, including imaging tools and multi-sensor systems



## Sour Service Hydrogen Sulfide (H2S)-Resistant Cables

Built for corrosive environments and regulated sour-service applications, Rochester Cable's H2S-resistant families are designed to perform where environmental resistance is critical.

- Corrosion-resistant armor systems that help extend service life in H2S and acidic well conditions
- Specialized stainless and alloy constructions designed to improve resistance to cracking and embrittlement
- Stable mechanical and electrical performance under sour-service loads
- Rated for H2S-qualified logging and intervention in regulated completions



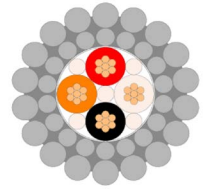
# Specialized cable families

Rochester Cable also supports specialized downhole applications with cable families designed for extreme temperatures, real-time data transmission, and highly specific operating requirements.

## Geothermal Cables

High-temperature designs for some of the industry's most demanding geothermal wells.

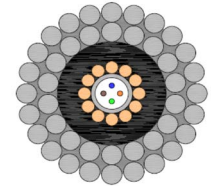
- Rated up to 610°F for reliable operation in extreme-heat environments
- High-performance insulation and armor systems designed to resist thermal degradation during continuous exposure
- Purpose-built for geothermal logging and other deep, ultra-hot applications



## Fiber Optic and Hybrid Cables

Electrical-and-fiber combinations for real-time data and advanced diagnostics.

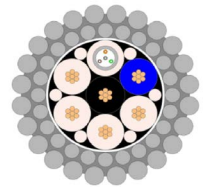
- Integrated fiber optic and electrical designs that enable high-bandwidth data while powering downhole tools
- Multiple fiber counts and conductor layouts to support distributed sensing and specialty intervention systems
- Built for harsh well conditions to protect optical and electrical performance under load, pressure, and temperature
- Designed for real-time, high-resolution measurements that support faster, more actionable insights during operations



## Custom Cable Solutions

When off-the-shelf cables are not the right fit, Rochester Cable provides fully engineered designs tailored to specific operating requirements.

- Collaborative engineering support to develop a cable built for the application
- In-house manufacturing in Culpeper, Virginia, for greater control over materials, quality, and delivery
- Rigorous testing to help validate reliability in demanding downhole environments

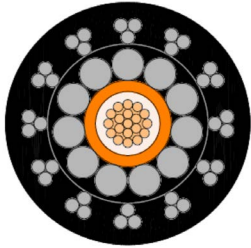


Rochester Cable's in-house manufacturing provides greater control over materials, quality, and delivery — from concept to completion.

# Specialized cable families

## VIRIDIS™ Jacketed Cables

Rochester Cable's VIRIDIS™ jacketed wireline family provides a clean, jacketed alternative to conventional lines for operators seeking faster, safer, and more efficient wireline operations while maintaining the durability Rochester Cable is known for.



- Full polymer-jacketed construction using our specially formulated DATEX™ jacket, designed to reduce grease requirements, lower environmental impact, and surface contamination
- Supports higher pull speeds and faster operations in suitable applications
- Cleaner, safer cable handling that helps minimize wellsite cleanup and reduce health, safety, and environment (HSE) exposure
- Engineered for mechanical strength and abrasion resistance to protect the armor package and support long service life
- Compatible with standard surface equipment, allowing integration into existing wireline fleets without major equipment changes

## What you can expect



### Faster Run Speeds

Low-friction designs reduce drag and increase efficiency.



### Simplified Rig-Up and Rig-Down

Lightweight, tangle-resistant builds streamline setup and retrieval.



### Cleaner Field Operations

DATEX™ jacket material minimizes contamination and cleanup.



### Eco-Friendly Operations

Jacketed designs eliminate grease injection, reducing environmental impact.



### Armor Stability

DATEX™ jackets prevent exposed wires, birdcaging, and highstranding.



### Custom-Engineered Solutions

Tailored to your mechanical, thermal, and electrical requirements.

**Engineered for reliable performance in high-pressure, high-temperature well environments.**

# Engineering support and custom development

Rochester Cable works closely with customers to recommend cable families and custom constructions that align with the application, tool, and operating environment. Our in-house teams support the process from early requirements through manufacturing and validation, helping customers move from concept to dependable field performance.



## Collaborative Engineering

We work directly with customers to understand the operating environment, tool requirements, and performance priorities that shape the cable design.



## In-House Manufacturing

Manufacturing in Culpeper, Virginia, gives Rochester Cable greater control over materials, build quality, and delivery while supporting close coordination between engineering and production.



## Rigorous Testing

Testing and validation support help confirm that the cable design aligns with application requirements and expected field performance in harsh downhole environments.



## Design Flexibility

We support a wide range of custom options, including:

- Standard and custom diameters
- Single-conductor, multi-conductor, fiber optic, and hybrid configurations
- Galvanized, stainless, and alloy armor systems
- Jacketed and greaseless designs
- Factory pre-stressing and cut-to-length builds

## What we typically review

To recommend the right cable family or custom construction, we typically review:

- Tool requirements and operating conditions
- Target outer diameter and cable length
- Conductor count, power needs, and signal requirements
- Armor preference and handling conditions
- Temperature, pressure, and environmental exposure



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## Built for the field

Every wireline job comes with its own demands. Rochester Cable works closely with customers to develop cable solutions that match the tool, the environment, and the application. From standard offerings to more specialized designs, our team helps align performance requirements with real-world operating conditions and field expectations.

When performance matters in the field, our team is ready to help with practical engineering support, in-house collaboration, and the experience to move the job forward with confidence.

**Let's build the right cable for your wireline application.**

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## Taming harsh environments

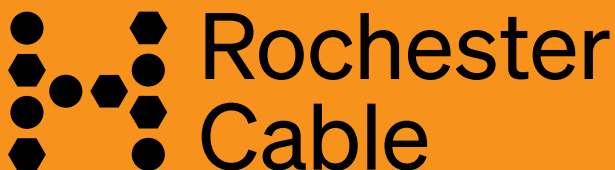
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Rochester Cable designs and manufactures custom cables for harsh environments. With a history dating back to 1794, and as one of the oldest manufacturers in the United States, we deliver reliable solutions for oil and gas, oceanographic research, defense, and industrial applications. As part of Hexatronic Group, we combine legacy expertise with global innovation to support customers worldwide.

# Let's build the right solution

Connect with our team to confirm requirements and recommended constructions for your wireline application.

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