

COMPLETION SOLUTIONS | SWELL TECHNOLOGY

Swellpacker® cable system

Achieve complete zonal isolation of producing zones with feed-through capability

FEATURES

- Manufactured on any oilfield tubular
- No moving parts
- Spliceless cable feed-through option
- Self-healing, interventionless technology
- Can be run in most all fluid environments
- Engineered swelling delay system
- Can swell in as little as 2% activation fluid

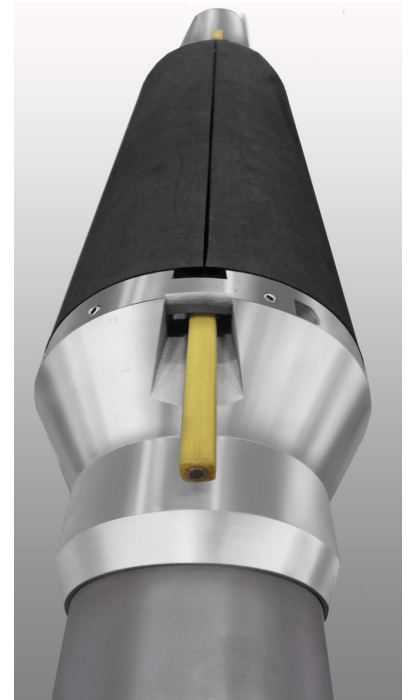
BENEFITS

- No splices, cuts, or stripping necessary
- Reduced risks of signal degradation or loss
- Faster installation helps reduce rig time and operational risk
- Perfect seal for irregular borehole geometry
- Up to six feed-through lines possible

Overview

Winner of multiple industry awards for its spliceless feed-through capabilities, the Swellpacker® Cable system simplifies and reduces risks during completion system installations that require the use of control lines, flatpacks, injection lines, fiber-optic cables, or other surface-controlled devices. Each line can be installed in 20 minutes compared to hours with conventional feed-through packer systems. This provides operators with significant costs savings by reducing rig time. The spliceless connections enabled by the Swellpacker Cable system helps eliminate the need for cable splices, control line cuts, and cable stripping, which can increase the risks of signal degradation or loss caused by performing these processes at each packer. As a result, installation reliability is increased with every connection. The Swellpacker cable system can easily accommodate up to six different lines of varying geometries, providing superior flexibility in the downhole systems that can be deployed.

Like other Swellpacker systems, the Swellpacker Cable system is based on the swelling properties of rubber in hydrocarbons, water, or both. A Swellpacker Cable system can swell up to 200%, sealing the annulus around the pipe to achieve effective zonal isolation as well as swelling to seal against any control or flatpack installed with the packer elastomer. Each flatpack or control line is installed on the rig floor using a specifically designed installation tool that requires no additional rig time. Once deployed, the rubber retains its flexibility, allowing the Swellpacker Cable isolation system to adapt to shifts in



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For the cable design, Halliburton provides the installation tool that fits easily on the rotary cable and “zips” the control cable or flat pack through the packer.

the formation over time, thus retaining the seal integrity. Additionally, its self-healing properties make this a reliable and risk-mitigating technology for all zonal isolation applications. Each Swellpacker® Cable system is bonded to a basepipe and can be delivered with any element length depending on the basepipe length. Because the rubber is bonded to the basepipe, it is extremely robust and can hold significant differential pressures even with the flatpacks and control lines run through the packer element. After the element is bonded, the rubber element also retains flexibility, enhancing run-in-hole effectiveness.

The Swellpacker Cable system can be used in cased or openhole environments. In some openhole applications, operators might be able to avoid cementing and perforating altogether, thus reducing the costs associated with these operations. By reducing well construction costs, saving rig time, and isolating producing zones, the Swellpacker Cable system helps enable previously unachievable levels of oilfield performance.

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

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