

Ensure secure radio communications with highly flexible, lighter cable design



Soldiers rely on radios to communicate with each other at all times, receive real-time situational awareness, and make accurate tactical decisions on the battlefield. Therefore, the coiled cables attached to these radios must be mechanically tough enough to handle extreme conditions while also being lightweight and comfortable to avoid weighing soldiers down.

Benefits

- Secure on-the-move communications for optimal situational awareness
- Excellent shielding effectiveness for less RF interference among multiple systems
- Proven long-term durability against challenging battlefield conditions
- Smaller, lighter cable design for reduced combat load and more comfort
- More flexibility to expand to desired lengths, retract to original form without any effort
- Customized versions to meet exact application needs and requirements
- Compatible with a variety of high-speed connector systems and backshells

Typical Applications

- Manpack radio systems
- Soldier-worn radio systems
- Tactical handsets/headsets
- Vehicular radio systems



Image courtesy of Rheinmetall©

Proven Reliability

Backed by decades of proven reliability, the military has trusted GORE® Coiled Cables attached to more than 35,000 defense radio systems. They keep the lines of communication open while successfully protecting sensitive wires from RF interference among multiple radio systems. Our combat-ready cables ensure soldiers can continue communicating on the battleground for optimal situational awareness to make fast, accurate tactical decisions.

GORE® Coiled Cables For Defense Land Systems

Long-Term Durability

GORE® Coiled Cables are manufactured with a high level of strength to endure extreme wear and tear for long-term durability and service life (Table 1). They are proven to defend against challenging environmental factors and in-vehicle conditions, such as fluctuating temperatures, torrential rain, dangerous landscape, repeated vibration, and more. They have undergone substantial qualification testing to meet the most current industry standards and requirements, such as VG95218-11.

Our coiled cables also offer more flexibility, weight savings, and comfort compared to traditional alternatives. Our cables' unique design is 24% smaller and 25% lighter, reducing combat load and enhancing comfort. These cables also expand to desired lengths and effortlessly retract to their original form while minimizing stress on fragile wires. Soldiers can easily connect them to handheld radios, headsets, and vehicular radio systems or weave them inside military uniforms.

With decades of trusted long-term durability and reliability, GORE® Coiled Cables are the proven solution over traditional alternatives for delivering secure on-the-move communications.

Table 1: Cable Properties

Gore's part number VG95218-11 includes a PU halogen-free jacket.

Mechanical / Environmental

Property	Value
Jacket Material	Thermoplastic Elastomer
Jacket Color	Black (Laser Markable)
Dielectric Material	Expanded PTFE/PTFE
Temperature Range °C	-40 to +100

Ordering Information

GORE® Coiled Cables are available in customized versions to meet your exact electrical needs and requirements. To discuss your specific application and place an order, please contact a Gore representative at gore.com/products/contact.

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