

Press Release

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Seamless energy and data supply with SR-Express spring cable reels from Powermite

The SR-Express range from Powermite, which forms part of Conductix-Wampfler's global SR series of spring cable reels, is engineered to meet the energy and data supply requirements of virtually any moving machinery, from overhead bridge cranes, gantries, and mobile tables to aerial ladders, lifts, elevators and elevated work platforms.

"Product quality goes hand in hand with reliability which, in turn, drives high machine and plant uptime, productivity and ultimately, profitability," says Powermite Director, Donovan Marks. "It is therefore our responsibility to ensure that the products we supply to our customers are of world-class quality so that they deliver reliable performance over a long life cycle for lowest possible total operational and ownership cost."

"Subsequently, we align ourselves with like-minded companies like Conductix-Wampfler. Powermite is the exclusive Southern African distributor for this global designer and manufacturer that is renowned for its world-class quality, state-of-the-art, customised cable reels for the bulk materials handling industry."

Spring cable reels are the culmination of Conductix-Wampfler's more than a century of experience in electrification systems. These products bear testament to the company's expertise and know-how in the manufacture of world-class energy and data supply solutions for mobile industrial machines.

The SR-Express (SR10-SR60) range is a tailored response to customers' expectations, combining the best qualities of Conductix-Wampfler's cable reels. All components, from the cables and cable drum to the slip rings, springs and mounting flange, are manufactured from the best and most durable materials to ensure optimum operational efficiency over a long life cycle. The halogen-free PUR (polyurethane) cables, specifically designed for reeling applications, provide excellent wear resistance and high flexibility.

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The cable drum body and flanks are manufactured from robust zinc-plated steel and the flank edge has been designed to optimise cable arrangement during winding, ensuring operator safety. With winding diameters ranging from 170mm to 400mm, the cable drum is fitted with sealed ball bearings and is lubricated for life.

The USR heat-resistant slip rings, part of a new European range, feature a new design that facilitates and reduces maintenance. For optimal access to connection, the slip rings are located in an ABS-PC techno-polymere impact-resistant housing outside the cable drum. The housing is protected from dust and moisture ingress and features captive screws and a breather to prevent condensation.

The mounting flange is manufactured from cast aluminium alloy or cast iron and has been specially designed for quick, easy and safe installation of the reel on the spring reel shaft. Arranged in series or parallel, the springs are manufactured from high-performance textured steel and are lubricated with corrosion-resistant grease and individually encapsulated in a cassette. The patented spring cassette ensures safe and easy manipulation including replacement or reversal of winding direction.

Three bracket options are available: Fixed bracket, fixed bracket and roller guide arm, which is available on all models and fixed bracket and roller guide arm and swivel bracket (for SR10 to SR40 models).

The rugged and versatile IP65 rated SR-Express range is protected against dust and water ingress and are able to withstand an impact of 20 joules. The units will continue to deliver optimum performance even in the most stringent of conditions with an ambient temperature range of -20°C up to +60°C for the standard E0 environmental specification and as low as -40°C for the E1 specification. An E3 option for severe conditions will be introduced at a later stage.

Suitable for both indoor and outdoor applications, the SR-Express spring cable reels are supplied with the cable already installed and connected to the slip rings so that it is ready for use, keeping downtime to a minimum.

Powermite, a Hudaco group company, has over four decades of experience as a specialist supplier of electrical and mechanical equipment solutions for moving machinery in bulk materials handling applications. The company's extensive portfolio includes cable festoon systems, festoon hardware and accessories such as cable guiding, anchoring and damping devices, junction, roller and connection boxes as well as cable connectors, organisers and clamps. Motor-driven, level wind and manual reels as well as cables, hoses and accessories for reeling systems complete the turnkey offering from Powermite's materials handling division.

"We support all our products with excellent service and after-sales service delivered by our highly-trained, qualified team of technicians based at Powermite's countrywide branch network," concludes Marks.

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Powermite, a Hudaco Group company, supports a complete range of cable and festoon hardware and accessories including cable guiding and anchoring devices, damping devices, junction boxes, cable connectors, organisers and clamps, connection boxes, towing clamps, reels, cable, rope and webbing plugs and end clamps.

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