

AnTech®



Slip Ring Collector

Rotational Connectivity for your Wireline

AnTech's Ex Certified Slip Ring Collector is fitted to the axle of a Coiled Tubing rig, wireline reel or spooler and provides electrical continuity for up to eight conductors. It allows the transmission of power and electrical signals between the rotating reel core and stationary surface data acquisition equipment.

The Slip Ring Collector (or Rotary Electrical Collector) is an essential piece of equipment required for connecting surface equipment to your wireline. The slip ring works by using rotary connections to maintain connectivity from the rotating reel and then transmitting this to a static cable which can be connected to the surface equipment.

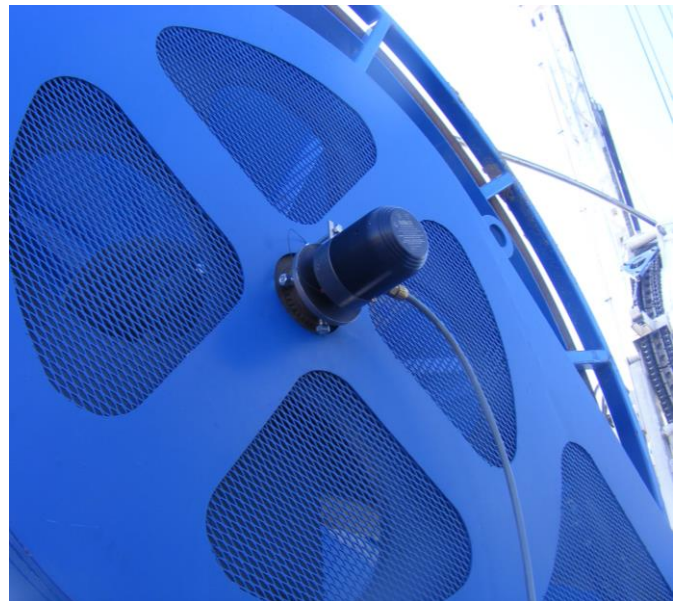
AnTech's experience with wireline in Coiled Tubing has been the critical factor in developing this purpose built product that is supplied with the unit pre-wired for easy installation in a compact, lightweight design.

In order to ensure safe operations, the units are ATEX Ex'd' Flameproof rated, allowing them to be used in the presence of explosive or combustible gases (up to Zone 1). They are also IECEx certified to ensure the relevant standards are met across the globe.

Applications

AnTech's Slip Ring Collector is designed specifically for use with wireline, four and eight conductor versions. Because of its compact size it is suitable for most wireline rigs and is robust enough to handle wireline applications such as:

- Wireline logging units and Coiled Tubing units for logging and perforating
- Deployment of TEC



Features & Benefits

Compact - Restricted protrusion from the drum and can be installed in a restricted space.

Easy installation - Using a standard fitting that can be adapted to any (non-full bore) application.

Zone 1 certification - Suitable for use in hazardous areas.

Low Noise, high power - Suitable for both signals and power transmission.

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
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4 and 8-way variants Rotary Slip Ring Collector	
Operating Rotational Speed	0 – 300 rpm
Maximum Rotational Speed	300 rpm
Cycles to failures @ 500rpm	80 Million
ATEX/IECEX Approvals (4 and 8-way variants)	
Standards	(ATEX) EC Directive 94/9/EC IEC 60079-0:2007 IEC 60079-1:2007 EN 60079-0:2006 EN 60079-1:2007
Certificate No.	IECEX SIR 09.0119X SIRA 09ATEX1278X
Coding	 II 2G Ex d IIC T5 Gb -20°C ≤ Ta ≤ +60°C

Specifications

AN-08271: 4-way Rotary Slip Ring Collector	
Ambient Temperature	-20 to +60°C
Ingress Protection	IP66 (min)
Max. Voltage	240V DC/AC
Max. Current	4A (2A per circuit)
Circuit Resistance	Less than 1Ω max; typically 10 – 15 mΩ
Electrical Noise	Less than or equal to 10 mΩ
AN-08391: 8-way Rotary Slip Ring Collector	
Ambient Temperature	-20 to +60°C
Ingress Protection	IP66 (min)
Max. Voltage	1000V DC/AC
Max. Current	10A (5A per circuit)
Circuit Resistance	Less than 1Ω max; typically 10 – 15 mΩ
Electrical Noise	Less than or equal to 10 mΩ

Training Schools

We appreciate that time is money, so if required, we offer training schools to get you operational as fast as possible.