

## EXPRESS-EH Reel pack

The Reel Pack is the communication medium between the Surface Control Unit and the Subsea Control Unit of the SeaLink™ Actuator Module. It is designed to be intrinsically safe for Zone 1. The Reel Pack consists of two parts: the electrohydraulic hose bundle and the reel unit.

### Operation

The electrohydraulic hose bundle transfers hydraulic fluid power and electronic signals by means of two hydraulic 1/4-in. ID lines and two twisted, shielded-pair electric lines. One hydraulic line supplies high pressure to the Subsea Control Unit, while the other line is for chemical injection through the Subsea Control Unit and Subsea Test Tree.

The electric line transfers data and commands to and from the Subsea Control Unit. The Reel Pack is an air-driven spooling mechanism used to run the hose bundle down and up the hole. It contains a hydraulic and intrinsically safe slip ring rated for Zone 1.



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### Technical Specifications:

#### Electrical

|            |                             |
|------------|-----------------------------|
| Conductor  | 2 - #22 AWG twisted pair    |
| Slip Ring  | Intrinsically safe for Zone |
| Drain Wire | 2 - #12 AWG copper          |

#### Mechanical/Environmental

|                             |                          |
|-----------------------------|--------------------------|
| Bundle                      | 1.69 in. (.04 m)         |
| Bundle Working Pressure     | 10,000 psi (68 948 kPa)  |
| Hose Burst Pressure         | 40,000 psi (275 790 kPa) |
| Bundle Maximum Working Load | 3 tons (2722 kg)         |
| Bundle Weight in Air        | 0.8 lb/ft (1.2 kg/m)     |
| Reel Height                 | 108 in. (2.74 m)         |
| Reel Width                  | 104 in. (2.64 m)         |
| Reel Length                 | 118 in. (3.00 m)         |
| Reel Tare Weight            | 3,748 lb (1700 kg)       |
| Reel Payload Weight         | 11,684 lb (5300 kg)      |
| Reel Gross Weight           | 15,432 lb (7000 kg)      |

