Pressure Blocking Wellhead Outlet for Metal Clad Instrument Cables

Fast, Easy Installation

Factory made 5,000 psi pressure block	Provides reliable sealing in the event there is downhole damage to metal clad cable.
Metal-to-metal ferrule for sealing to metal clad cable	Creates a reliable seal to the exterior of the instrument cable.

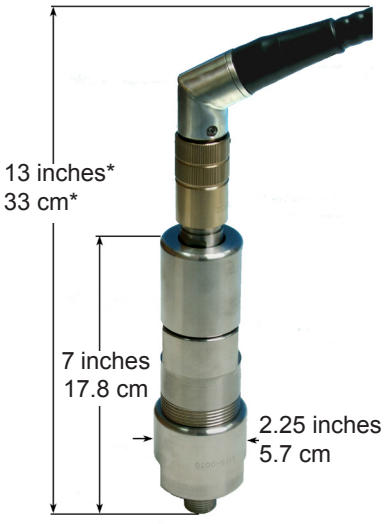
EWG I-Wire Feedthru

The BIW Connector Systems Wellhead Outlet for metal clad instrument cables provides a secure pressure barrier for single conductor instrument cables.

This robust pressure-blocking connector is intended for easy installation on top of the tubing hanger or on the top flange. This configuration allows the tubing hanger to be landed without delay.

The connector will withstand up to 5,000 psi pressure, in the event of a downhole cable failure. It is intended for installation in any type of well where a permanent downhole gauge may be installed.

Installation is fast, easy, and requires minimal training or experience. No soldering is required at the outlet wellhead. The Feedthru provides sealing to the exterior of the metal clad cable, and it provides a positive block against fluids or gasses that could pass through the metal clad cable in the event of a downhole breach. Sealing is achieved with a combination of tapered sealing threads and O-rings. Attachment to the wellhead requires only a 1/2 inch (13mm) opening (1/2-14 NPT). The installed length of the feedthru, including top connector is less than 13 inches (33 cm). The maximum diameter of the installed device is 2.25 inches (5.7 cm). The Top Connector is angled with a 60 degree bend to help guide the cable away from the wellhead. For workovers, the entire assembly may be easily disassembled.



* Clearance Dimension

Specifications

Mechanical	5,000 psi
Environmental	90º C
Electrical	600 V , 15 Amp
Approvals	ATEX II2G EX d IIb T5 Gb

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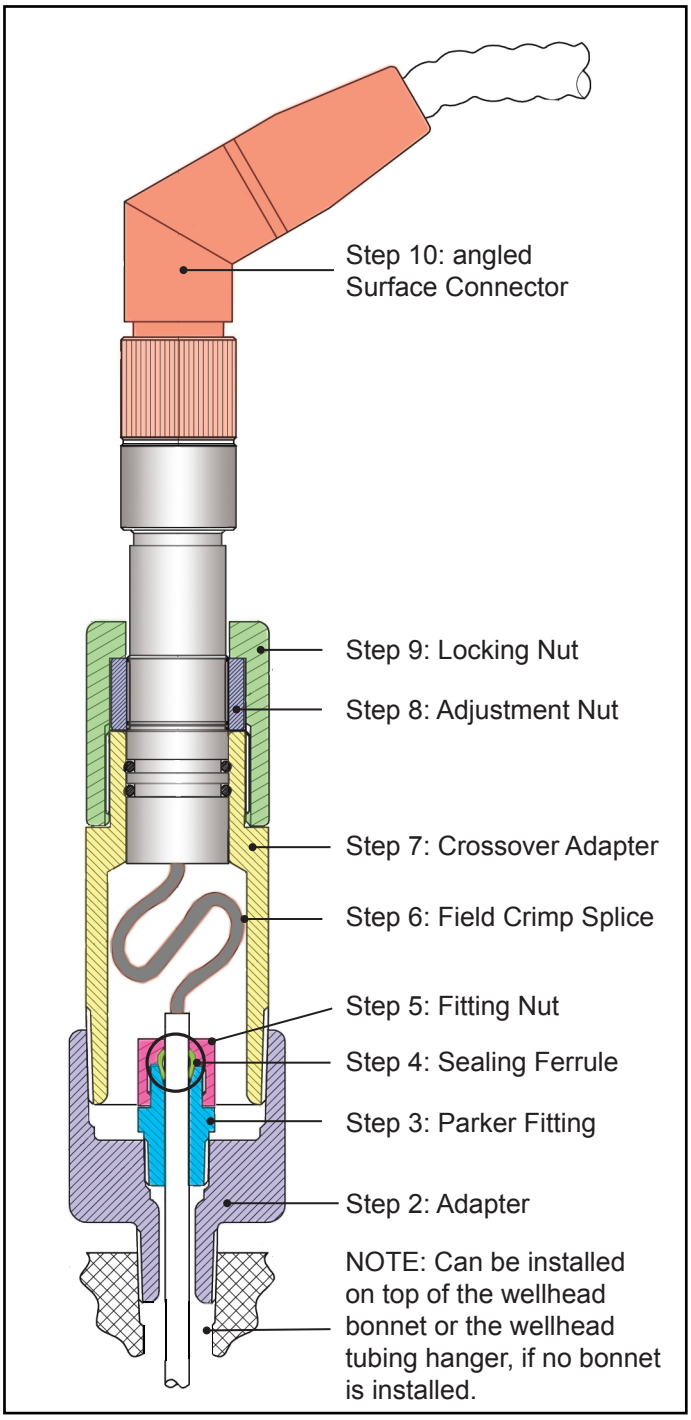
Installation: Ten Quick Steps



EWG I-Wire Feedthru Assembly

NOTE: When metal clad tubing is passed through a pressure barrier, a pressure seal between the metal clad cable and the well-head should be installed.

Step 1: Before landing the tubing hanger, wrap metal clad instrument cable around production tubing for several turns

Step 2: Install adapter into tubing hanger (or top flange). Use thread sealing materials as appropriate.

Step 3: Install Parker fitting into adapter. Use thread sealing materials as appropriate.

Step 4: Place sealing ferrule into the fitting.

Step 5: Install fitting nut over the Ferrule.

Step 6: Connect the conductor, extending from the bottom of the feedthru, to the conductor extending from the metal clad cable. Use the included crimp splice.

Step 7: Pass the feedthru through the crossover adapter, and then attach crossover adapter to the adapter thread.

Step 8: Thread on adjustment nut.

Step 9: Install locking nut to the top of the cross-over adapter.

Step 10: Install the angled surface connector.

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