



Hunter Cable Assembly Ltd

a specialist manufacturer and distributor of
cable assemblies, wiring looms and harnesses, box builds and sub assemblies

Downhole Gauge Connector for Custom Cable Assemblies

13 Jun 2011

A robust Permanent Downhole Gauge connector has been designed for custom cable assemblies in demanding exploration and production projects.

The new connector has been designed by ITT Interconnect Solutions to operate at the maximum limits of metal clad cables, and can withstand pressure to 10,000 psi and operating temperatures up to 200 degrees Celsius.

These features make the connector ideal on applications required to work in harsh environments such in drilling and mining.

“The cost of exploration continues to rise steeply year-to-year as wells have to be drilled deeper, increasing demands on the equipment used in these challenging environments,” said Tony Shoemaker, regional sales manager at ITT Interconnect Solutions.

“Maximizing production efficiency is critical to holding costs down, and the effectiveness of conventional gauge connectors was no longer proving a reliable solution.”

The connector manufacturer explains it is important to protect expensive gauges and data from damage arising from failure of metal clad cable sheathing.

An elastomer back up seal is also included in the advance design. The connectors are also re-usable so the gauges can be re-used on future drilling projects.

The Permanent Downhole Gauge connector has a replaceable metal-to-metal, connector to cable seal, that is field attachable and verifiable on site before operational deployment into a well.

“ITT’s Permanent Downhole Gauge connector solution exceeds the requirements of harsh environment applications such as downhole drilling.”

Gauges are used in applications to monitor ESP intake and discharge pressures so they can maintain optimum ESP efficiency. They detect water, steam or carbon dioxide breakthrough and deep-set gauges monitor the effect of hydraulic fracturing in real time.

Custom Cable Assemblies

Hunter Cable Assemblies is a recognised [custom cable assembly](#) provider; they also use many ITT Interconnect Solutions connectors.

Visit www.hcal.co.uk for more information and to discuss your requirements in more detail.