



Black Gator® Universal Connector

Part # PL-KIT • IL-KIT • HL-KIT



The PFT Universal Connector (also known as our Lower Connector) sets the benchmark for maximum flexibility. The connector can accommodate various downhole cable types and sizes (up to #1/0) by merely changing the cable seal, Gator Grrip®, crimpless contacts and armor adapter. It can be supplied attached to flat or round cable as a pigtail or supplied as the most user-friendly field attachable connector on the market. In most circumstances this connector can be assembled on a cable in less than 30 minutes.

FEATURES

- Flat or round cable
- Flat armor adapter: no need to transition “flat to round”
- Black anti-corrosive and anti-galling finish
- No potting compound
- Gator Grrip® crimpless contacts
- Floating seal and I-Seal™
- Reduced assembly time

SPECS

- 5000 psi (proof tested to 13,500 psi)
- 5kV (proof tested to 24.5kV)
- 205A (depending on cable size)
- Standard Universal Connector: up to 350° F (175° C) depending on operating requirements and conditions
- High-temperature Universal Connector: up to 450° F (230° C) depending on operating requirements and conditions

PEEK™ Insulator

PEEK™ is extremely well suited for all downhole applications. Depending on the material grade, PEEK™ can work continuously at 260° C (500° F). PEEK™, in comparison to molded rubber, does not take a “set” when put into compression nor is it subject to gas penetration. Combined with our oversized copper contacts, PFT Black Gator® connectors combine a longer run life with the ability to re-run components.

Cable Seal Assembly

Our innovative “floating” cable seal design incorporates the latest technology in elastomers with the ability to adjust to thermal expansion

and decompression. Cable seals are sized for specific cable types in sizes from #6AWG – 1/0 and available in material options to meet your operating conditions.

Connector Body Parts

Components are carbon steel and meet NACE MR0175 specifications. The black finish provides maximum corrosion protection as well as lubrication for the threaded components. Stainless steel components are also available.

Gator Grrip®*

This crimpless contact provides maximum conductivity with minimum heat buildup. Conductors do not

have to be spread to accommodate a crimping tool, thus eliminating possible damage to the insulation or barrier. There is no “guessing” as to how much crimp force is required or how many crimps are needed. Additionally, as the contacts are not deformed (from the crimp), there are no ridges to sand nor do the conductors need straightening.

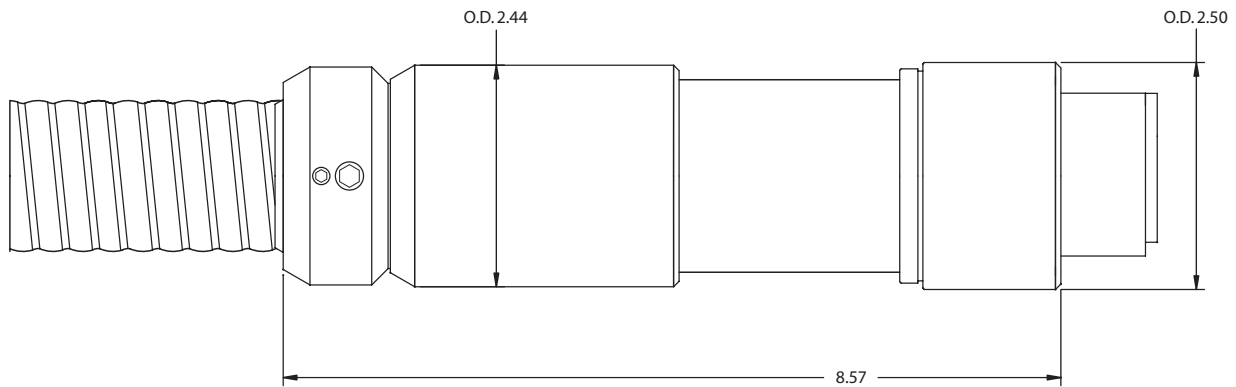
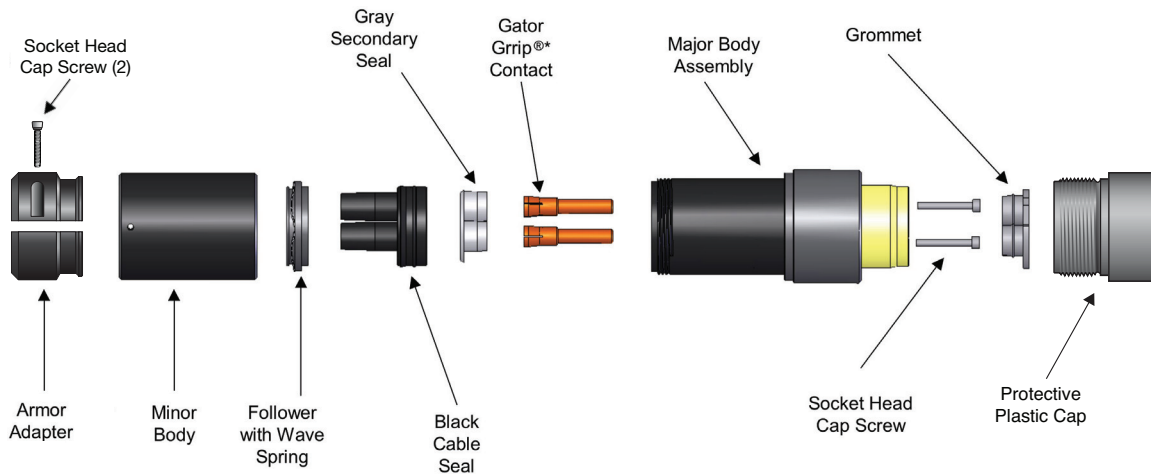
Armor Adapter

Supplied for various sizes of flat or round cable, PFT’s new flat armor adapter eliminates the need (and time) to reconfigure flat cables into a round configuration for use with a field-attachable connector.



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All dimensions in inches