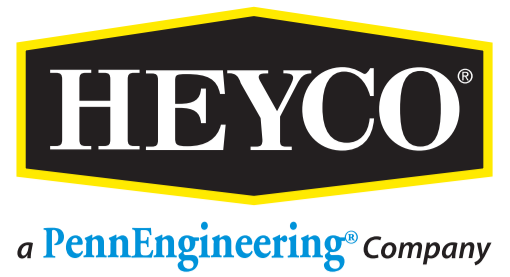


Checklist: Wire Processing Essentials for Design Engineers

Every project comes with its own requirements, meaning you need a unique set of components. Consider the following checklist as you're searching for the right wire protection, management, and processing solutions.



1) Temperature Requirements

Your wiring may need to withstand extreme temperatures or may just have a specific temperature threshold. Whether extreme cold or extreme heat, you can choose from a wide range of wire processing components based on specific temperature ratings.

Heyco®-Tite Brass Liquid Tight Cordgrips

NPT Hubs - High Temperature

- High Temp Cordgrip Temp. Range: -40°F (-40°C) to 392°F (200°C)
- Standard Nylon Cordgrip Temp. Range: -4°F (-20°C) to 212°F (100°C)

[More Information](#)



2) IP Ratings/NEMA Standards

Your application may have to meet certain environmental ratings. Make sure you choose wire processing components that will adequately prevent water, dust, debris, or other foreign bodies from getting in.

HEYCo-molded™ Liquid Tight Break-Thru Plugs

- Function as Liquid Tight Plugs with an IP 67/68 rating
- Can be pierced by round wire, cable or tubing to function as Liquid Tight Bushings with the same resulting IP 67/68 rating
- Certified by UL under UL 635

[Request a Sample](#)



3) How do you plan on installing or routing your wiring?

How you route your cables can influence how flexible your wire management and protection components need to be. Keep in mind the necessary bend radius as you search for the wiring products for your project.

Heyco-Flex™ V Nylon Slit Tubing

- Slit design allows side entry and encirclement of preassembled harnesses and capillary tubes
- Unique slit design allows for wire breakouts
- Heyco-Flex V is lightweight and flexible, yet durable enough to meet your wire management requirements

[Request a Sample](#)



4) How many cables are you trying to manage or protect?

Are you trying to manage a large cluster of cables or just a few? The amount of wiring you're trying to route, protect, and manage will impact the type of wire processing components you need.

Heyco®-Tite Liquid Tight Cordgrips Break-Thru™ Cordgrips

- Heyco® Break-Thru™ Skinned-Over glands offer the flexibility to use fewer of the available holes while still providing a liquid tight seal around the conductors.
- Consult Heyco for additional Skinned-Over gland number, size, and hub configurations.

[Request a Sample](#)



5) What is the outer diameter of your cables?

The size of your cables and wiring will determine the size of your wire management components. For example, how large or small your cables are will determine whether or not you need a 1.5-inch cordgrip vs. a 2-inch cordgrip.

Heyco®-Tite Liquid Tight Cordgrips

Straight-Thru, NPT Hubs with Integral Sealing Ring

- Heyco often has two cordgrips (or more) for each size/type hub to accommodate various cable diameters.
- For example, Heyco offers 1x 1" NPT cordgrip for cable diameters .490 to to .785 or another to accommodate cable diameters from .590 to 1".
- These two parts are identical with the exception of the cable diameter accommodated.

[Request a Sample](#)



6) Does your application require a certain level of durability?

Depending on where you're installing your wires and cables, you may need processing components of a certain level of durability. Consider factors like abrasion resistance, number of bend cycles, vibrations, twisting, or sharp objects nearby as you search for wire solutions.

HEYbrid™ Stainless Steel Liquid Tight Cordgrips

Straight-Thru NPT Hubs

- Most often, our line of nylon liquid tight cordgrips get the job done just fine!
- For harsher environments, you may want to lean toward our line of stainless steel or various metal cordgrips.

[More Information](#)



Final Tips for Wire Processing

- Don't wait! Start with the end in mind and get organized before you get started. Wire management is worth planning ahead for.
- Need a quick turnaround? Our vast, US-based inventory can be found through many distributors. You'll get what you need quickly to keep the project moving forward.
- Need a custom-focused solution? Heyco offers such a wide breadth of wire processing products that we'll easily find the components to meet your specific requirements.