

PENFLEX



BRAIDING SERVICES LINE CARD

Braid plays a critical role in almost every hose assembly—it's the pressure carrier! Without it, under pressure, a hose will elongate, and try to turn back into a tube.

In addition to this role, braid can also protect the inner core from damage due to abrasion and general mishandling. Often, metal hoses are double braided to make them more robust in handling as much as they are for increased pressure capabilities.

Penflex offers specialized braiding services across a wide range of hoses sizes, braid configurations and braid materials.

While we braid standard or customized metal hoses, we also braid customer-supplied hoses with a wide variety of metallic and synthetic wires or threads.

We can even braid without a hose or liner in long continuous lengths, up to a few thousand feet!

BRAID CARRIERS & CONSTRUCTION

With our large fleet of braiders ranging in size from 24 to 96 carriers, we can offer many options and solutions.

The variables for braid constructions are:

- Size of the braider
- Number of wires per carrier or band
- Wire diameter
- Wire tensile
- Braid angle

WIRE & HOSE OPTIONS

METAL WIRE

We braid in many alloys, including:

- 304L
- 309L
- 316L
- Monel 400
- Inconel 625 and 718
- Hastelloy C276
- Titanium

NON-METAL WIRE

We braid using many non-metal wires, including:

- Polypropylene
- Kynar™
- Kevlar™
- Polyethylene

HOSE TYPES

The kinds of hoses supplied to us include PTFE (both smooth bore and convoluted), Rubber, Hydraulic, and EPDM Hoses, Cables and Wiring Bundles

DESIGN SERVICES

With many years of experience, we can help you come up with a design, and options, to meet your needs.