

Pressure carrier



All **marsoflex**® braiding types meet the required operating conditions regarding pressure or temperature as well as chemical and operational requirements.

B1 stainless steel braiding

The **marsoflex**® stainless steel braiding protects the inner PTFE liner and at the same time ensures a high pressure resistance of the hose. It also enhances the bending strength. We exclusively use high-grade stainless steel such as 1.4301. The braiding is abrasion-resistant.

B3 modified plastic braiding

The **marsoflex**® B3 polypropylene braiding is unique on the market and stands out due to its particularly high temperature resistance and extreme tearing strength. It can easily withstand operating pressures up to 32 bar (depending on nominal diameter and temperature) and is therefore significantly more resilient than other

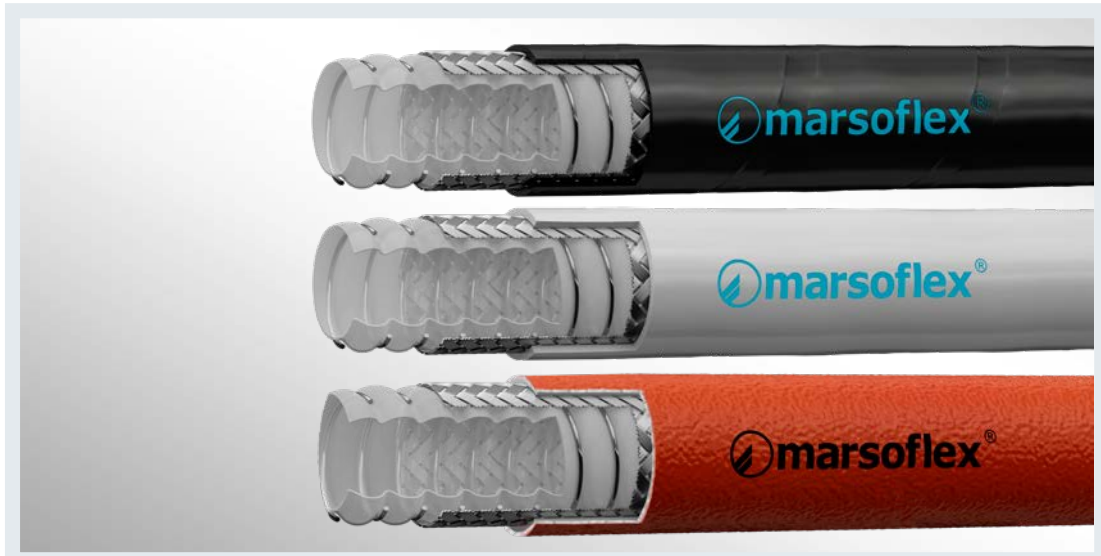
commercially available plastic braidings. It is resistant to temperatures up to 230 °C. In addition, the modified plastic braiding is TRbF-131/2-compliant. Thanks to the especially included metal filaments, it is electrically conductive and can also be used in explosive atmospheres. The B3 braiding has the same chemical resistance as polyethersulfone (PES).

B6 polypropylene braiding

The **marsoflex**® B6 polypropylene braiding which is made of specially developed monofilaments facilitates the use of high operating pressures and ensures easy handling due to its low dead weight. It can be used for any application in which metal materials are excluded due to lack of resistance.



Hose covers



In addition to the standard versions, we offer further hose cover options.

Stainless steel braiding with B1GUM rubberised cover

Many industrial applications require increased abrasion protection as well as protection against injuries caused by the handling of hose lines. Our rubberised stainless steel braiding is the ideal solution for this area of application. In contrast to traditional systems on the market, our CR material is TRbF-131/2-compliant, i.e. self-extinguishing, anti-static and easy to clean.

Stainless steel braiding with B1SIL silicone cover

In particular for the pharmaceutical industry, a smooth, white silicone cover was developed which makes the cleaning of the hose significantly easier. In addition, it provides protection against mechanical stress. The surface temperature also

remains relatively low to protect the user. This hose cover can be used up to 180 °C.

Special pyro heat protection PY

Especially developed for the use at high temperatures, this protective cover can be used permanently at 260 °C and for a short time at over 800 °C (flame exposure). It protects the inner hose design against high radiant heat and thereby ensures a long service life under extreme conditions. The material is resistant to industrial chemicals and hydraulic fluids. In addition, the heat protection reduces the temperature at the hose surface in case of hot media and thus ensures the safe handling of the hose line.

