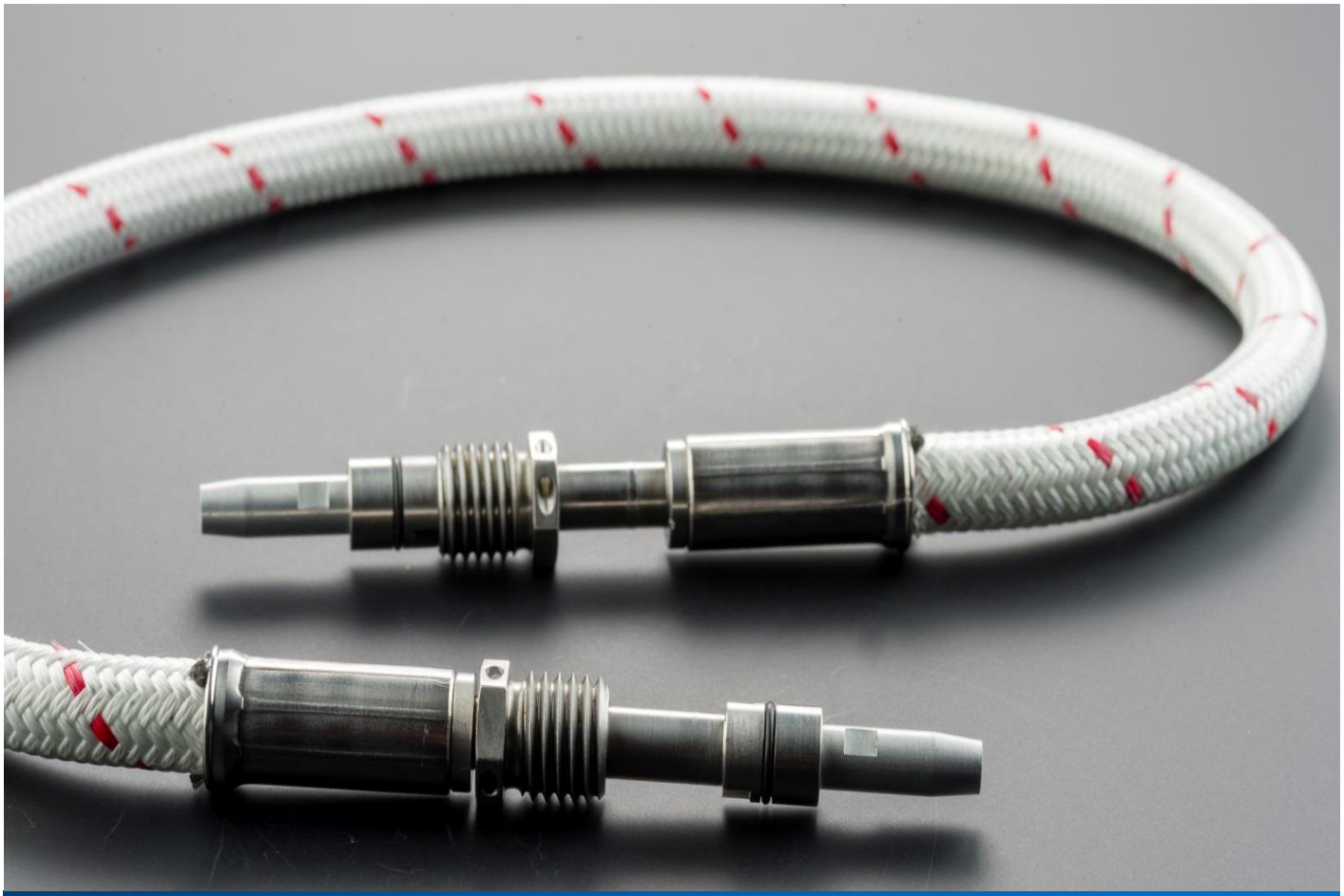


SPACE

DETONATING TRANSFER LINE (DTL)

Pyroalliance designs Detonating Transfer Lines made of different materials, sizes, shapes and cladding. Those are used to transmit a pyrotechnic order from one point to another, allowing a function to be triggered (separate, neutralize or ignite).

Among these different Detonating Transfer Lines, some operate in a deflagration mode, whereas others operate in a detonating mode. This is the case of the Detonating Transfer Line described hereafter.

These Detonating Transfer Lines, combined with other Pyroalliance's products, are part of Separation, Flight Termination or Ignition pyro-chains.

More generally, Pyroalliance delivers complete pyrotechnic chains adapted to its customers' needs. They are designed and manufactured under Pyroalliance design authority.

DETONATING TRANSFER LINE (DTL)

Operating mode

Detonating transfer lines are designed to transfer a detonation from one point to another.

A line consists in a lead-free Mild Detonating Cord (MDC) jacketed and covered by a fiberglass braiding. Each end is equipped with a booster relay, joints and protection for sealing.
The end tips can be from different types (short or long, flexible or rigid) and adapted to the system or manifold it will be connected to.

Typical performances and features

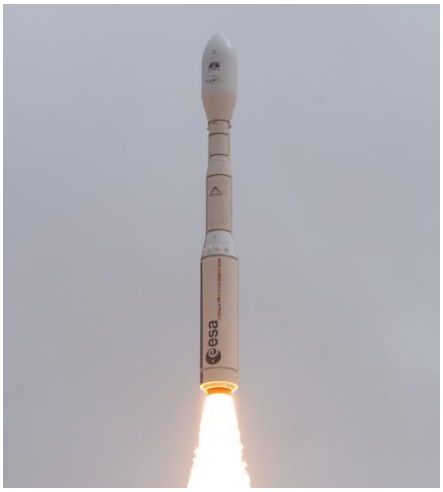
Detonation velocity (Typical value):	6800 m/s
Cladding:	Glass fibre braiding
Operating temperature:	Down to -80°C Up to + 100°C

Benefits

- Hermetic after operation
- No external effect when interfaced
- High velocity
- High reliability and safety
- Easily routable (bendable)
- X-Ray inspection ability

Applications

- Space launcher pyrotechnic chains



Pyroalliance's DTL flies on Vega C - ESA

Product Classification

- Number UN: UN0384
- Storage class: 1.4S
- Not restricted by ITAR regulations

For more information

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