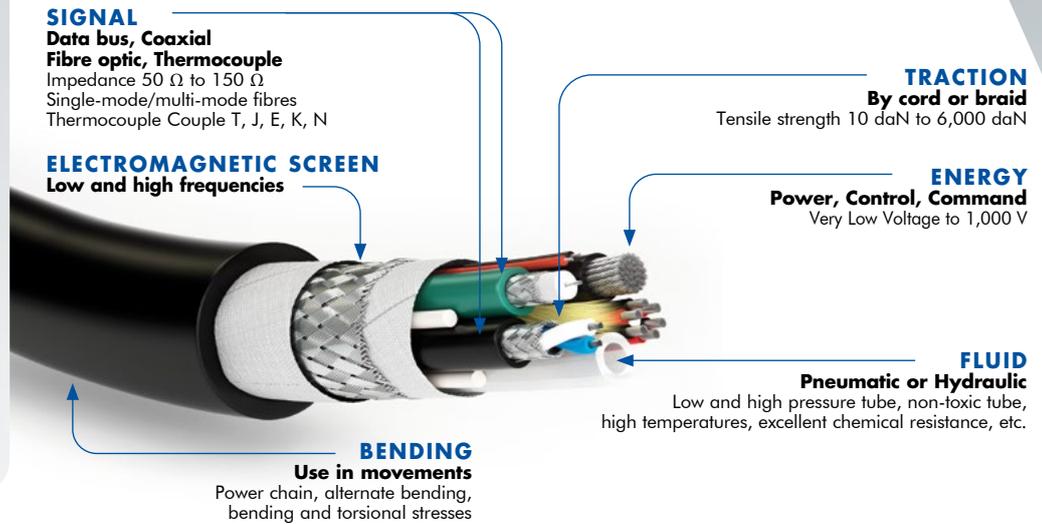


# OMBILIFLEX®



## High performance characteristics

**OMBILIFLEX®** cables undergo numerous tests at every production stage to ensure a high level of quality and to meet your requirements

Our laboratory has the means to test and validate the **physical, mechanical, chemical, electrical and fire behaviours** of the cables we produce

## Applications

This range of multifunction hybrid cables is intended for cutting-edge sectors like aerospace, military applications, robotics, medical applications, oil exploration, industry, etc.

## Customized products CGP INNOVATION

Thanks to our expertise and total mastery of our electrical cable manufacturing processes, the engineers of our R & D department have developed the **OMBILIFLEX®** range. Umbilical cables that can combine up to 6 different functions in one single product: **Energy, Signal, Fluid, Traction, Flexion and Electromagnetic protection**. This range of hybrid and multi-functional cables is designed for high-tech sectors such as aeronautics, military, robotics, medical, oil exploration, industry, etc.

Our Design Office is made up of experienced engineers who are specialists in **metallurgy, plastics manufacture, electromagnetic compatibility, micromechanics, data transmission, etc.** It will provide you with a fast, precise response by developing an **OMBILIFLEX®** formed of power cables, twisted pairs, coaxial cables, tubes, fibre optics, shielding, braid or traction cord, etc. in line with the miscellaneous and complex constraints of your applications.

## SAMPLE PRODUCTIONS



### OMBILIFLEX® U5-1000ITJD

#### Aerospace/Machine tools sector

Umbilical cable for industrial drill used to assemble the metal structure of on aircraft. This **OMBILIFLEX®** cable transfers the fluid (pressurised oil), information (running the tooling) and power (supplying the tooling) and ensures good tensile strength and resistance to alternating movements.



### OMBILIFLEX® U3-1000OB

#### Defence/Military sector

Umbilical cable for airborne video surveillance systems. This **OMBILIFLEX®** cable transfers power (camera supply) and information via fibre optics (high speed video/audio) and maintains very high tensile strength (> 4 000 daN).

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The information provided in this technical data sheet is indicative and may be modified without prior notice, laying, wiring and electrical conditions and the environment of the cable can not be fully considered in our studies. In no way the company CGP SAS shall be held responsible for any incidents in the case of inappropriate uses, particularly in the case of wiring conditions that do not respect the good practice and the standards in force.

For an optimum use of the cables produced by our company, we recommend testing in real conditions. Our sales department is available for a possible provision of samples, and/or for the conditions of a complete study in our laboratories.

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