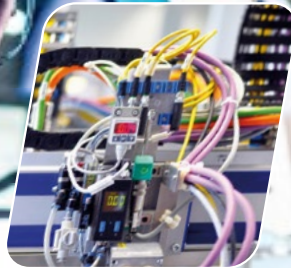


OMBILIFLEX®

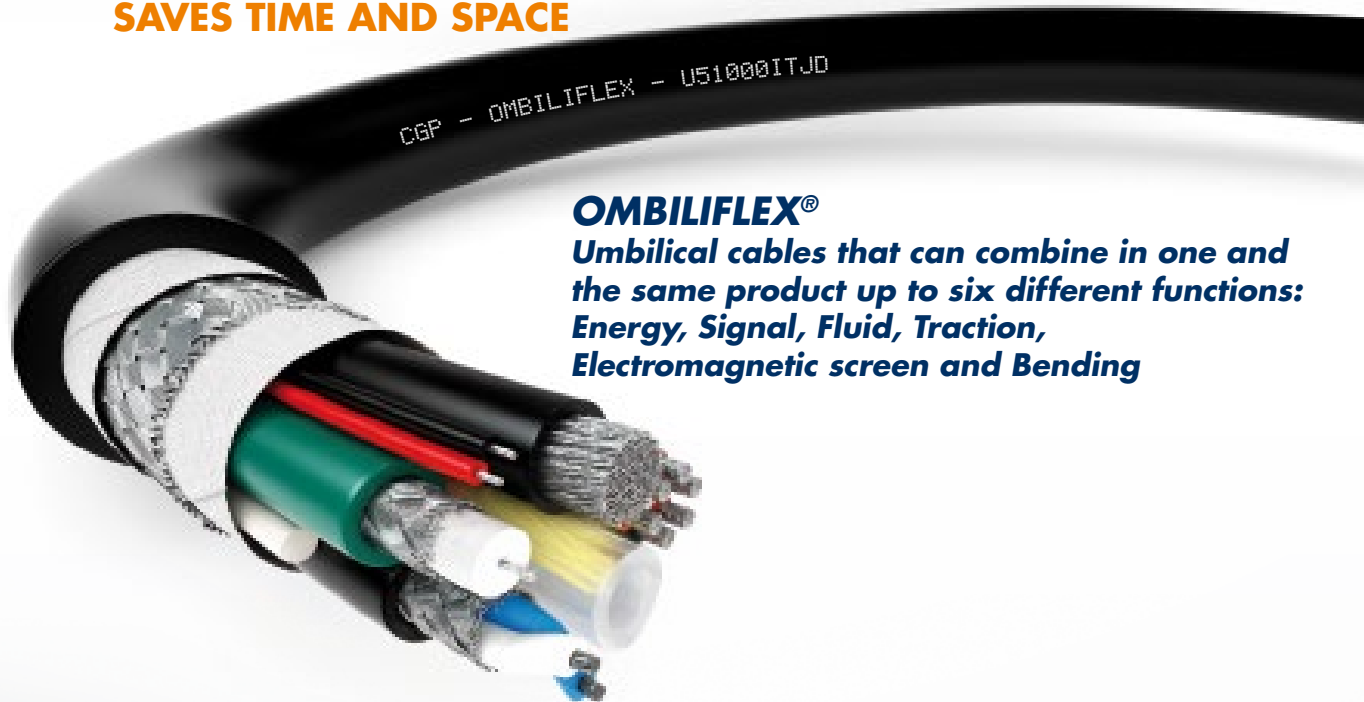
**HIGH PERFORMANCE
SPECIAL MULTI-FUNCTION CABLES**



**CUTTING EDGE TECHNOLOGY
CUSTOMISED SOLUTION
HYBRID/UMBILICAL
MULTI-FUNCTIONS**

**HIGH PERFORMANCE
THERMAL/MECHANICAL/CHEMICAL
SAVES TIME AND SPACE**

6 in 1



OMBILIFLEX®

***Umbilical cables that can combine in one and the same product up to six different functions:
Energy, Signal, Fluid, Traction,
Electromagnetic screen and Bending***



**CABLES FOR GLOBAL
PERFORMANCE**

OMBILIFLEX®

HIGH PERFORMANCE SPECIAL MULTI-FUNCTION CABLES

TECHNICAL EXPERTISE

Thanks to our expertise and total mastery of our electrical cable manufacturing processes, our R&D engineers have developed the **OMBILIFLEX®** range. Umbilical cables that can combine in one and the same product up to six different functions: Energy, Signal, Fluid, Traction, Electromagnetic screen and Bending. This range of multifunction, hybrid cables is intended for cutting-edge sectors like aerospace, military applications, robotics, medical applications, oil exploration, industry, etc.

HIGH PERFORMANCE

OMBILIFLEX® cables are tested extensively at all production stages to ensure top quality and to meet your requirements. Our laboratory has the resources to test and validate the physical, mechanical, chemical, electrical and fire-resistance behaviour of the cables we produce.

CUSTOMISED SOLUTION

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.

SIGNAL

**Data bus, Coaxial
Fibre optic, Thermocouple**

Impedance 50 Ω to 150 Ω

Single-mode/multi-mode fibres

Thermocouple Couple T, J, E, K, N

ELECTROMAGNETIC SCREEN

Low and high frequencies

TRACTION

By cord or braid

Tensile strength 10 daN to 6,000 daN

ENERGY

Power, Control, Command

Very Low Voltage at 1 000 V

FLUID

Pneumatic or Hydraulic

Low and high pressure tube, power supply, high temperatures, excellent chemical resistance, etc.

BENDING

Use in movements

Power chain, alternate bending, bending and torsional stresses



✓ **Contact us to define with our sales engineers the product best suited to your application.**

SAMPLE PRODUCTS



OMBILIFLEX® U5-1000ITJD **Aerospace/Machine tools sector**

Umbilical cable for industrial drill used to assemble the metal 'plane structure.

This **OMBILIFLEX®** cable transfers fluid (pressurised oil), information (running the tools), power (supplying the tools) and has good tensile strength and resistance to alternate 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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