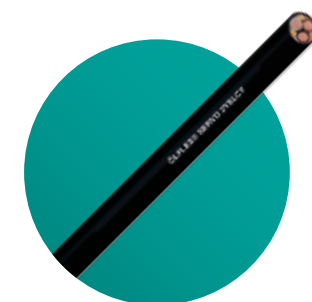


1 PROFIBUS DP / PA SWA

Designed for fixed outdoor use or for direct burial, our PROFIBUS cables come in two variations: the commonly used PROFIBUS DP (Decentralised Peripherals) and the application specific PROFIBUS PA (Process Automation).

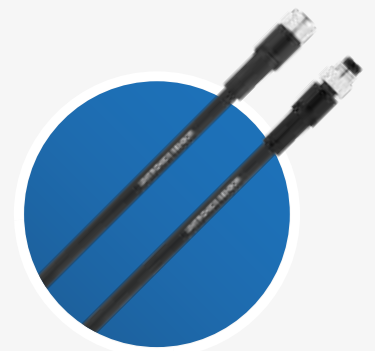
PROFIBUS DP is used to operate sensors and actuators via a centralised controller in automation applications. The cable runs at speeds between 9.6 Kbit/s and 12 Mbit/s and LAPP offers a SWA version for outdoor and direct burial applications.

PROFIBUS PA is used to monitor measuring equipment via a process control system for automation applications. PA has a data transmission rate of 31.25 Kbit/s but, thanks to protocol compatibility, the faster DP can act as a backbone network, especially in hybrid applications where process and automation networks operate side by side.



2 ÖLFLEX® SERVO 2YSLCY

Thanks to their double shielded, low capacitance design, ÖLFLEX® SERVO 2YSLCY and 2YSLCYK are ideal for frequency converters for variable speed of three-phase AC motors. The 2YSLCYK has a special concentric conductor array design, where the earth conductor is split into three individuals. This 3+3 design allows symmetry against common-mode disturbance effect. This design also improves EMC noise within the whole drive system. Additionally, thanks to the design of the cable, the frequency converter system is loaded with a lower capacitive reactive power compared to cables that use cores insulated with PVC.



3 UNITRONIC® SENSOR

UNITRONIC® SENSOR is a flexible cable for automated assembly in production plants. It is available in M8 or M12 cord-sets with a range of lengths and plug & socket configurations. Thanks to specially developed sheath materials, they are ideal for use in a large range of ambient conditions. Whether you need them for a fixed installation or a drag chain - UNITRONIC® SENSOR cables guarantee reliable operation of field bus systems.



4 SUBMERSIBLE PUMP CABLE

Our H07RN8-F is designed for 450/750 Volt applications where a cable may be required to be submersed to a depth of 10 metres in dirty or industrial water for long periods of time. For depths below 10 metres up to 100 metres and for specifications which require a halogen free version, our H07RN8-F Enhanced is available. These cables are ideally suited to power submersible pumps, float switches and temporary power applications for industrial sites.



5 ETHERNET CAT 6 SWA

Ethernet offers various transmission media, like copper, glass fibre, polymer fibres or wireless. Thanks to its open protocol, Ethernet enables the integration of a broad range of systems. For this reason, there is a growing interest in implementing the Ethernet standard in production processes. LAPP offers an armoured Category 6 cable for outdoor applications with a characteristic impedance of 100Ω and for speeds up to 10 Gbit/s. This cable is perfect for industrial environments (which differ considerably from the office sector) providing protection in harsh conditions.



6 FIBRE OPTIC CABLE

A super fast fibre optic cable suitable for safe data transfer in the office and industrial sector. It is available in POF (Polymer Optical Fibre), PCF (Plastic Cladded Fibre) or GOF (Glass Optical Fibre) designs, in simplex, duplex and hybrid versions. The cable can also be used in a highly flexible design for cable chain applications. This fibre optic cable offers interference free data transmission at the speed of light, available in OM1, OM2, OM3 and OM4 fibre types, as well as armoured versions for outdoor applications and direct burial.

WASTEWATER TREATMENT

H07RN8-F – The submersible Power & Control cable for harsh environments

The wastewater treatment is a process used to remove contaminants from wastewater or sewage and convert it into an effluent that can be returned to the water cycle with minimum impact on the environment. Alternatively, the effluent can be directly reused for other purposes in a process called water reclamation.

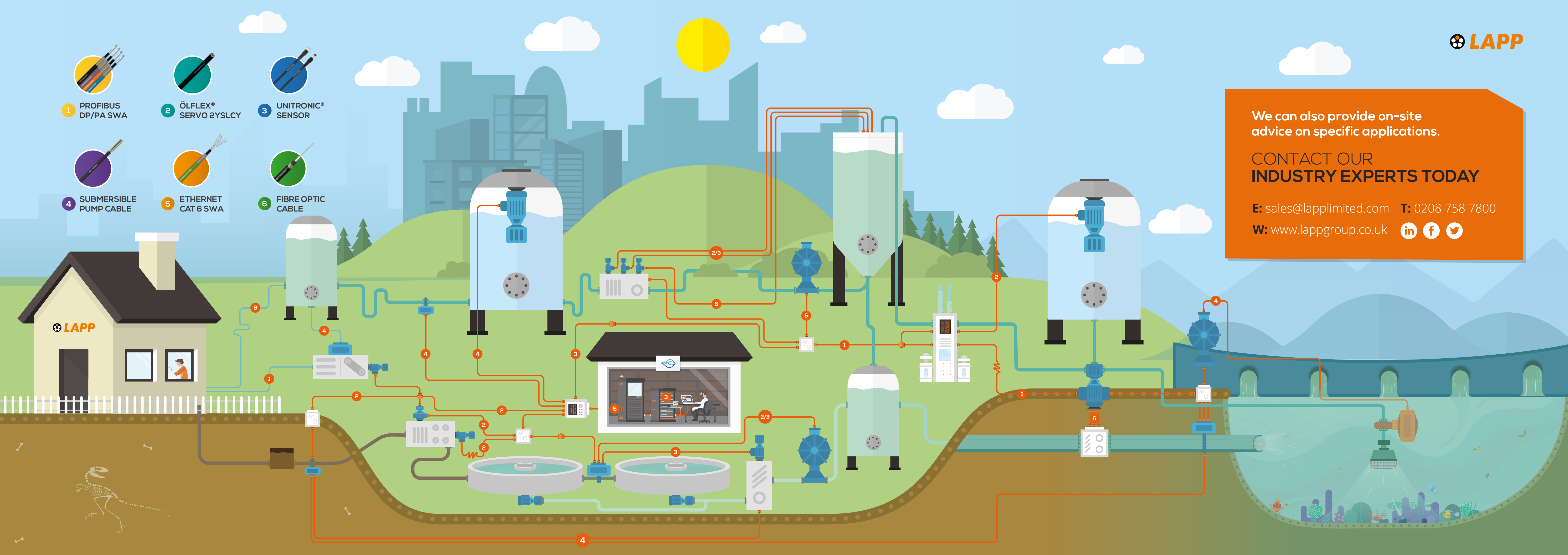
The treatment process takes place in a wastewater or sewage treatment plant where pollutants in household or small industry wastewater are removed or broken down. Because of the harsh environment it is important that the cables used can withstand various contaminants and be submersed for long periods of time. The LAPP H07RN8-F cable range is designed primarily with this application in mind; it is ideally suited to power submersible pumps, float switches and temporary power applications.

PUMP ROOM

ÖLFLEX® SERVO 2YSLCY – The ultimate EMC optimised motor cable

As with any application it is important that all components work in synchronous harmony. This is especially true where variable speed drive motors are concerned. To ensure an uninterrupted operation to the motors and pumps, the cabling has to be designed with this in mind. The ÖLFLEX® SERVO 2YSLCY cable range is EMC compliant with a double screen to avoid interference from both low and high frequency noise from surrounding motors. The low capacitance of these cables allows for long runs and the 3+3 design ensures symmetry against common-mode disturbance effect which reduces pulse currents damaging the bearings.

JUST ADD WATER



- 1 PROFIBUS DP/PA SWA
- 2 ÖLFLEX® SERVO 2YSLCY
- 3 UNITRONIC® SENSOR
- 4 SUBMERSIBLE PUMP CABLE
- 5 ETHERNET CAT 6 SWA
- 6 FIBRE OPTIC CABLE

We can also provide on-site advice on specific applications.

CONTACT OUR
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