



CABLES FOR GEOTECHNICAL ENGINEERING

Cables for application in geotechnical and hydrogeological environment.

Our cables are suitable for on-field use in construction site environment and designed for the connection of probes and equipment for monitoring structures and systems such as bridges, dams and railway networks.

The products are made in different versions, in order to guarantee performance depending on the installation environment and cable laying methods such as burial, drowning in concrete and installation in particular environments where delay in flame propagation and other specific safety features like low corrosiveness and opacity of the fumes emitted during combustion are required.



CUSTOM SOLUTIONS

In addition to the high customization level on each product, S.E.I.S. is at disposal for the design and production of hybrid cables specifically targeted to the integration of different functional elements in a whole custom solution, perfectly adapted to the most particular technical and installation needs.

TECHNICAL FEATURES

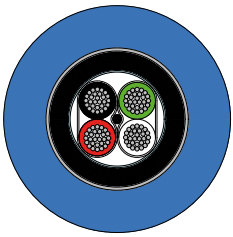
- CHEMICAL RESISTANT •
- ABRASION RESISTANT •
- FLAME RETARDANT •
- HALOGEN FREE •
- LOW SMOKE EMISSION •

COMPLIANCE & APPROVALS

- UL AWM (AVLV2) •
- UL AWM Canada (AVLV8) •
- 2011/65/EC - RoHS •
- 2006/95/EC - LVD •

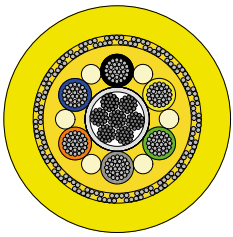


PRODUCT CATEGORIES



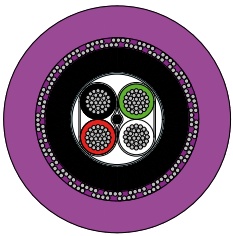
NON-CORROSIVE & LOW SMOKE EMISSION CABLES – FRNC/LSZH

Cables for connecting instruments in public areas and in hazardous or poorly ventilated environments. In the event of a fire, the low emission of toxic and corrosive gases and the limited opacity of fumes developed do not over reduce the visibility in identifying escape routes provided by the safety systems and evacuation procedure. The materials used confer specific performances in terms of self-extinguishing and delay in the flame propagation as further precaution in terms of room safety.



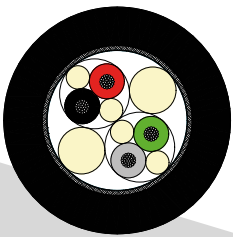
STRENGTHENED AND LOAD-CARRYING CABLES

Integrated cables with load-bearing elements to support probes and suspended instrumentation. The reinforcement elements, made up of special synthetic yarns or metallic threads, are arranged in different and specific geometries, which provide the cable withstanding traction stresses and support the application in different laying and installation modes.



ARMORED AND WATERPROOF CABLES

Special cables reinforced with metal armor giving superior mechanical strength and enhancing protection against damage by rodents, trampling and external stresses caused by the interaction of cables with field equipment and machinery. The mechanical protection conferred by the armor is in many cases combined with a "double sheath" solution which gives properties of impermeability and high resistance to potential infiltrations and makes the cable extremely resistant as well.



CABLES WITH SPECIAL JACKET

Highly specific cables designed with special sheath material compounds, suitable for operation under extreme temperatures and resistant to the most aggressive corrosive agents even in case of exposure to high temperatures, conditions occurring in the installation of cables and measuring equipment inside the concrete, directly in the same building subject of monitoring.