

MIND DATASHEET | Submarine

INNER SEMI-CONDUCTIVE LAYER

Carbon black paper layers

OUTER SEMI-CONDUCTIVE LAYER

Carbon black and metallized paper layers.

ANTI-CORROSION SHEATH

An extruded layer of semiconductive polyethylene compound, to avoid any electrical breakdown by induced over-voltages. Insulating polyethylene is also available for metallic armours.

SERVING

Two layers of polypropylene strings, to protect against abrasion and reduce cable friction.

CONDUCTOR

Aluminum keystone conductors, with nominal cross-section area up to 2500 mm². Copper is also available.

INSULATION

High density wood pulp paper tapes, impregnated with fully degasified special viscous compound.

METALLIC SHEATH

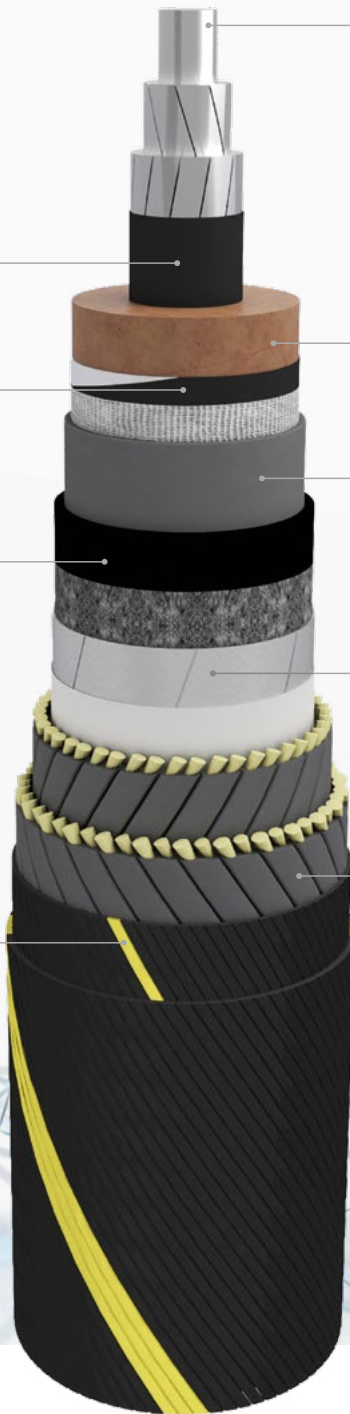
The insulated core has a lead alloy sheath applied over the longitudinal water barrier.

REINFORCEMENT



One layer of steel tapes, to allow for proper thermal expansion and contraction of the MIND insulation.

ARMOUR




Double layer of composite wires, specially designed for high depth applications, combining light weight features with high tensile strength performances. Steel wires or single layers designs are also available.



Dimensional data for 1200 mm² aluminum

	Indicative diameter	135 mm
	Indicative cable weight	30 kg/m

Electrical data for 1200 mm² aluminum

	Ohmic resistance	0.0247 Ω/km
	Coaxial inductance	0.16 mH/km
	Capacitance	0.33 μF/km