

Marine Resistivity Cable

I. Applications

Marine resistivity cable is specially designed for VES, ERT, IP and SP electrical resistivity in water, shallow sea and borehole well. The applications for marine resistivity cable are including but not limited to Bedrock depth detection, bedrock topography, fracture and fault identification, cavity detection and mapping, ores and mineral deposits, geology, soil type or bedrock type/bedrock change, groundwater aquifers, groundwater contamination, saltwater intrusion, waste and pollutant mapping, etc.

- Specially designed encapsulated vulcanization stainless steel electrode for underwater applications.
- Lighter weight but maintaining the same low noise level.
- Robust design cable with strong mechanical strength, Kevlar fiber added and good insulation performance.
- Compatible with all main stream resistivity meter, resistivity system and devices: ABEM, ARES, GDD, IRIS SYSCAL PRO, PASI RM1 Earth Resistivity Meter and etc.
- 10-electrodes, 11-electrodes, 12-electrodes, 16-electrodes, 18-electrodes, 21-electrodes, 24-electrodes, 28-electrodes, 30-electrodes, 32-electrodes, 42-electrodes, 48-electrodes, or 56-electrodes are optional.
- Customized electrode numbering, section size, take-out type and spacing is available upon requests.





II. Cable Specifications

Type	Cable O.D	N.W/km(kgs)	Tensile Strength	Working Temperature(°C)
32 cores	7.2mm	56kgs	70kgs	-40°C~+70°C
54 cores	9.2mm	90kgs	90kgs	
66 cores	9.2mm	96kgs	110kgs	

Structure of Cable Conductor (Per core)	7nos.of Bare Copper Wires Stranding (Copper Wire O.D. 0.12mm)
Insulation Resistance	≥1000 MΩ/km
Cross Section (Per core)	0.08mm ²
DC Resistance (20°C)	≤234Ω/km
Voltage Withstand Value (Per core)	1000V
Current-Carrying Capacity per core (constant current)	≤1A