

TYPE 0438 CABLE

Sonar cable with
4 coaxials 25 ohm
4 cores 0.36mm²

4 coaxials 25 ohm

Stranded bare copper 7 x 0.404 mm
with PE-insulation of 0.45mm wall thickness
bare copper braiding 0.3mm with coverage of about 93%
polyester foil
PE-sheath of 0.6mm wall thickness
Outer diameter approx 3.9mm

4 cores 0.36 mm²

stranded bare copper 7 x 0.254 mm
with PE-insulation of 0.5mm wall thickness
Outer diameter approx 1.8 mm

4 coaxials stranded around filler and with 4 cores positioned in the outer interstices
filling compound
Aramid – braiding
PUR – jacket of 1.6 mm wall thickness

outer diameter	approx.	14mm
weight in air	approx.	290 kg/km
weight in seawater	approx.	130 kg/km
minimum breaking strain	approx.	20 kn
recommended bend radius		250 mm

Electrical characteristics (normal values at 20°C)

Coaxial

resistance of inner conductor		21 ohm / km
resistance of outer conductor		11 ohm / km
insulation resistance		
core against core, screen and earth		
screen against screen and earth		1 Giga ohm x km
capacitance at 800 Hz		250 nf / km
impedance	approx.	25 ohm
attenuation at 1 MHz		30 db / km
test voltage		3 kV, DC

core 0.36 mm²

conductor resistance		53 ohm / km
insulation resistance		
core against core, screen and earth		10 Giga ohm x km
test voltage		3 kV, DC