Special cable
Type 126080

Construction characteristics

Conductor 1.93 mm², 19 x 0.361 mm stranded bare copper conductor insulated with HDPE, 1.5 mm wall
Served shield 1 layer of bare copper wires, nominal diameter 0.2 mm
Jacket HDPE jacket, 0.7 mm wall
Armour Inner layer of galvanized steel wires, diameter 1.00 mm
Outer layer of galvanized steel wires, diameter 1.25 mm

Mechanical characteristics

Diameter 11.0 ± 0.3 mm
Weight in air 450 kg/km
Weight in seawater 360 kg/km
Min. bending radius 220 mm
Breaking strength 70 kN
Safe working load 17.5 kN

Electrical characteristics

Test voltage 8 kV DC, 5 min (cond – shield)
Insulation resistance ≥100 GΩ•km conductor against shield, earth
≥100 MΩ•km shield against armouring, earth
DC conductor resistance ≤10 Ω/km at 20°C for 1.93 mm²
≤9 Ω/km at 20°C for shield
Inductance Approx. 0.25 mH/km at 600 kHz
Capacitance Approx. 120 nF/km up to 600 kHz
Impedance Approx. 50 Ω at 600 kHz