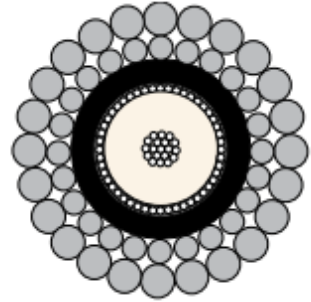


# Special cable

## Type 0214



### Construction characteristics

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<b>Conductor</b>	1.93 mm <sup>2</sup> , 19 x 0.361 mm stranded bare copper conductor insulated with HDPE, 1.5 mm wall
<b>Served shield</b>	1 layer of bare copper wires, nominal diameter 0.2 mm
<b>Jacket</b>	HDPE jacket, 0.7 mm wall
<b>Armour</b>	Inner layer of galvanized steel wires, diameter 1.00 mm Outer layer of galvanized steel wires, diameter 1.25 mm

### Mechanical characteristics

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<b>Diameter</b>	11.0 ± 0.3 mm
<b>Weight in air</b>	450 kg/km
<b>Weight in seawater</b>	360 kg/km
<b>Min. bending radius</b>	220 mm
<b>Breaking strength</b>	60 kN
<b>Safe working load</b>	15 kN

### Electrical characteristics

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<b>Test voltage</b>	8 kV DC, 5 min (cond – shield)
<b>Insulation resistance</b>	≥100 GΩ×km conductor against shield, earth ≥100 MΩ×km shield against armouring, earth
<b>DC conductor resistance</b>	≤10 Ω/km at 20°C for 1.93 mm <sup>2</sup> ≤9 Ω/km at 20°C for shield
<b>Inductance</b>	Approx. 0.25 mH/km at 600 kHz
<b>Capacitance</b>	Approx. 120 nF/km up to 600 kHz
<b>Impedance</b>	Approx. 50 Ω at 600 kHz