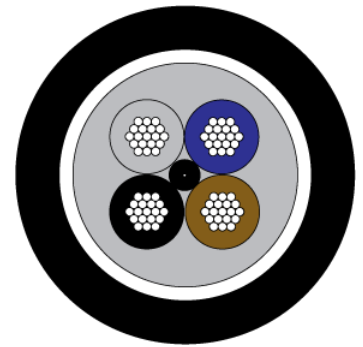


# Power/signal cable

## Type 6589



### Construction characteristics

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<b>Conductor</b>	1.00 mm <sup>2</sup> (18 AWG) bare copper conductor insulated with Polyolefin (4 each) Colour grey, blue, brown, black
<b>Shield</b>	Bronze braiding
<b>Filler</b>	Central filler for roundness
<b>Inner jacket</b>	PVC jacket
<b>Outer jacket</b>	Polyurethane jacket. Colour black glossy
<b>European directives</b>	2002/95/CE RoHS and 2002/96/CE WEEE

### Mechanical characteristics

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<b>Diameter</b>	9.80 mm ±0.30 mm
<b>Weight in air</b>	140 kg/km nom
<b>Weight in seawater</b>	62 kg/km nom
<b>Min. bending radius, static</b>	130 mm
<b>Min. bending radius, dynamic</b>	150 mm
<b>Breaking strength</b>	1 kN (braiding only)
<b>Depth rating</b>	6,000 m

### Electrical characteristics

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<b>Operating voltage</b>	1 Kv
<b>Test voltage</b>	3,000 V DC for 1 min
<b>Conductor resistance</b>	≤ 21.0 Ω/km
<b>Insulation resistance</b>	≥ 5 MΩ×km
<b>Nominal inductance</b>	0.63 μH/m
<b>Capacitance</b>	70 pF/m
<b>Impedance</b>	100 Ω at 100 kHz