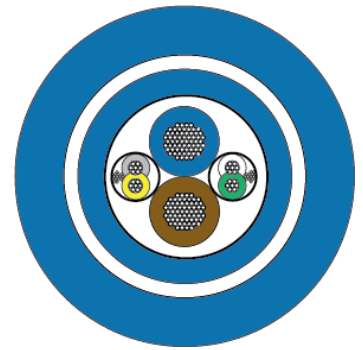


# Power & data cable

## Type 2019K/B



### Construction characteristics

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<b>Power conductor</b>	2.00 mm <sup>2</sup> bare copper conductor insulated with PVC (2 each)
<b>Shielded twisted pair</b>	0.22 mm <sup>2</sup> bare copper conductor insulated with PE 2 conductors twisted together with a tinned copper drain wire and aluminium/polyester foil (2 each)
<b>Inner jacket</b>	PVC jacket
<b>Inner jacket</b>	Polyurethane jacket
<b>Strength member</b>	Braided Kevlar
<b>Outer jacket</b>	Polyurethane jacket. Colour blue

### Mechanical characteristics

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<b>Diameter</b>	14.30 mm ±0.30 mm
<b>Weight in air</b>	220 kg/km nom
<b>Weight in seawater</b>	55 kg/km nom
<b>Min. bending radius, static</b>	160 mm
<b>Min. bending radius, dynamic</b>	210 mm
<b>Min. breaking strength</b>	15 kN
<b>Depth rating</b>	5,000 m
<b>Operating temperature range</b>	-20°C - +80°C

### Electrical characteristics

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<b>Operating voltage</b>	600 V for 2.00 mm <sup>2</sup> conductor 24 V for 0.22 mm <sup>2</sup> conductor
<b>Test voltage</b>	3,000 V DC for 1 min. for 2.00 mm <sup>2</sup> conductor (cond - cond) 1,500 V DC for 1 min. for 0.22 mm <sup>2</sup> conductor (cond - cond)
<b>Conductor resistance</b>	≤ 10.0 Ω/km for 2.00 mm <sup>2</sup> conductor ≤ 96.2 Ω/km for 0.22 mm <sup>2</sup> conductor

<b>Insulation resistance</b>	$\geq 100 \text{ M}\Omega \times \text{km}$ for $2.00 \text{ mm}^2$ conductor $\geq 5,000 \text{ M}\Omega \times \text{km}$ for $0.22 \text{ mm}^2$ conductor
<b>Capacitance</b>	70 pF/m for $0.22 \text{ mm}^2$ pair
<b>Impedance</b>	$60 \pm 5 \ \Omega$ for $0.22 \text{ mm}^2$ pair
<b>Attenuation</b>	10.0 dB/100 m at 1 MHz 25.0 dB/100 m at 10 MHz