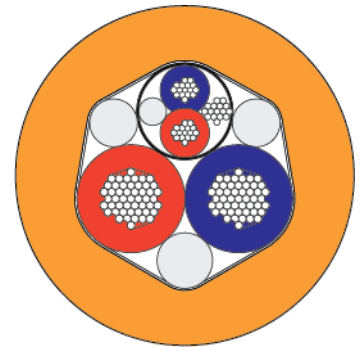


# Power & data cable

## Type 4971



### Construction characteristics

<b>Power Conductor</b>	2.50 mm <sup>2</sup> bare copper conductor insulated with PE (2 each)
<b>Shielded twisted pair</b>	0.50 mm <sup>2</sup> bare copper conductor insulated with PE 2 conductors twisted together with a tinned copper drain wire and aluminium/polyester foil (1 each)
<b>Outer jacket</b>	Polyurethane jacket. Colour orange
<b>Halogen free</b>	Acc. to IEC 60754

### Mechanical characteristics

<b>Diameter</b>	11.00 mm ±0.30 mm
<b>Weight in air</b>	160 kg/km nom
<b>Weight in seawater</b>	65 kg/km nom
<b>Min. bending radius, static</b>	130 mm
<b>Min. bending radius, dynamic</b>	165 mm
<b>Depth rating</b>	3,000 m
<b>Operating temperature range</b>	-20°C - +80°C

### Electrical characteristics

<b>Operating voltage</b>	600 V DC for 2.50 mm <sup>2</sup> conductor 300 V DC for 0.50 mm <sup>2</sup> conductor
<b>Test voltage</b>	4,000 V DC for 1 min for 2.50 mm <sup>2</sup> conductor 3,000 V DC for 1 min for 0.50 mm <sup>2</sup> conductor
<b>Conductor resistance</b>	≤ 8.0 Ω/km for 2.50 mm <sup>2</sup> conductor ≤ 41.0 Ω/km for 0.50 mm <sup>2</sup> conductor
<b>Insulation resistance</b>	≥ 5,000 MΩ×km for 2.50 mm <sup>2</sup> conductor ≥ 10,000 MΩ×km for 0.50 mm <sup>2</sup> conductor (cond - cond) ≥ 100 MΩ×100 m for 0.50 mm <sup>2</sup> conductor (cond - shield)
<b>Capacitance</b>	100 pF/m for 0.50 mm <sup>2</sup> pair at 800 – 1,200 Hz nom
<b>Impedance</b>	57 ±5 Ω at 1-10 MHz for 0.50 mm <sup>2</sup> conductor
<b>Attenuation</b>	7.0 dB/100 m at 1 MHz 18.0 dB/100 m at 10 MHz