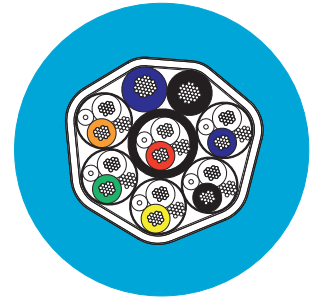


# Power/signal cable

## Type 4622



### Construction characteristics

Power conductor	1.00 mm <sup>2</sup> bare copper conductor insulated with PE (2 each)
Shielded twisted pair	0.22 mm <sup>2</sup> bare copper conductor insulated with PE. 2 conductors twisted together with a tinned copper drain wire, aluminium/polyester foil and a PE sheath (1 each)
Shielded twisted pair	0.22 mm <sup>2</sup> bare copper conductor insulated with PE. 2 conductors twisted together with a tinned copper drain wire and an aluminium/polyester foil (5 each)
Shield	Tinned copper braid, coverage 85%
Outer jacket	Polyurethane jacket. Colour blue
European directives	Cable is conform to The European REACH Regulation 1907/2006/EC and RoHS Directive 2011/65/EU
Halogen free	acc. to IEC60754

### Mechanical characteristics

Diameter	12.00 mm ±0.40 mm
Weight in air	200 kg/km nom
Weight in seawater	110 kg/km nom
Min. bending radius, static	80 mm
Min. bending radius, dynamic	120 mm
Depth rating	3,000 m

### Electrical characteristics

Operating voltage	600 V DC for 1.00 mm <sup>2</sup> conductor 24 V DC for 0.22 mm <sup>2</sup> conductor
Test voltage	3,000 V DC for 1 min for 1.00 mm <sup>2</sup> conductor 1,500 V DC for 1 min for 0.22 mm <sup>2</sup> conductor
Conductor resistance	≤ 20.0 Ω/km for 1.00 mm <sup>2</sup> conductor ≤ 96.2 Ω/km for 0.22 mm <sup>2</sup> conductor
Insulation resistance	≥ 100 MΩ×km (cond. - cond.) ≥ 50 MΩ×km (cond. - shield) ≥ 10 MΩ×km (shield - shield)
Capacitance	85 pF/m for 0.22 mm <sup>2</sup> pair
Impedance	60 ±5 Ω at 1-10 MHz for 0.22 mm <sup>2</sup> pair
Attenuation	10.0 dB/100 m at 1 MHz 25.0 dB/100 m at 10 MHz