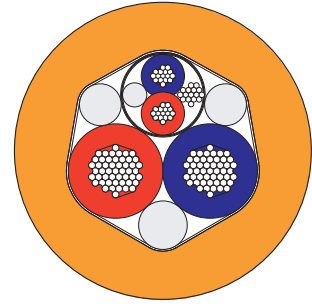


Power/signal cable Type 4971



Construction characteristics

Power conductor	2.50 mm ² bare copper conductor insulated with PE (2 each)
Shielded twisted pair	0.50 mm ² bare copper conductor insulated with PE. 2 conductors twisted together with a tinned copper drain wire and aluminium/polyester foil (1 each)
Outer jacket	Polyurethane jacket. Colour orange

Mechanical characteristics

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

Electrical characteristics

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