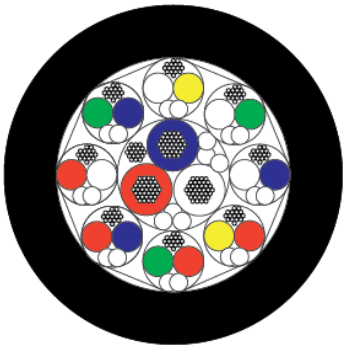
Power & data cable
Type 4591



Construction characteristics

Shielded twisted triad	1.50 mm² bare copper conductor insulated with PE 3 conductors twisted together with a tinned copper drain wire and aluminium/polyester foil (1 each)
Shielded twisted pair	0.50 mm² bare copper conductor insulated with PE 2 conductors twisted together with a tinned copper drain wire and aluminium/polyester foil (8 each)
Filling compound	The cable is filled with cable filling compound
Outer jacket	Polyurethane jacket. Colour black
Halogen free	Acc. to IEC 60754

Mechanical characteristics

Diameter	19.00 mm ±0.50 mm
Weight in air	460 kg/km nom
Weight in seawater	170 kg/km nom
Min. bending radius, static	125 mm
Min. bending radius, dynamic	185 mm
Depth rating	5,000 m

Electrical characteristics

Operating voltage	1,000 V DC for 1.50 mm² conductor 600 V DC for 0.50 mm² conductor
Test voltage	4,000 V DC for 1 min for 1.50 mm² conductor 3,000 V DC for 1 min for 0.50 mm² conductor
Conductor resistance	≤ 13.7 Ω/km for 1.50 mm² conductor ≤ 41.0 Ω/km for 0.50 mm² conductor
Insulation resistance	≥ 10,000 MΩ×km (cond - shield) ≥ 100 MΩ×100 m (shield - shield)

Capacitance	80 pF/m for 1.50 mm² triad 100 pF/m for 0.50 mm² pair
Impedance	57 ±5 Ω for 0.50 mm² pair
Attenuation	7.0 dB/100 m at 1 MHz 18.0 dB/100 m at 10 MHz