

Power/signal cable

Type 5071/B



Construction characteristics

Conductor	7 x 0.50 mm ² bare copper conductor insulated with XLPE compound (IEC 60228 Class 5). Elements stranded together with Hot Melt Jelly Filler
Shield	Tinned copper braid, coverage 85%
Tape	Non-woven binder tape
Outer jacket	UV resistant polyurethane jacket. Colour black
Strength member	Aramid yarn (1 each)
Flame retardant	Acc. to CEI EN 60332-1-2, IEC 60332-1-2:2004:07, EN 60332-1-2:2004-11
Halogen free	Acc. to IEC 60754-2, CEI 20-37/2-2, EN 50267-2-2

Mechanical characteristics

Diameter	10.10 mm ±0.30 mm
Weight in air	147 kg/km nom
Weight in seawater	65 kg/km nom
Min. bending radius, static	70 mm
Min. bending radius, dynamic	100 mm
Min. breaking strength	3.6 kN
Depth rating	3,000 m
Operating temperature range	-20°C - +80°C

Electrical characteristics

Operating voltage	750 V DC
Test voltage	3,000 V DC for 1 min
Conductor resistance	≤ 39.0 Ω/km
Insulation resistance	≥ 1 GΩ×km (cond - cond)