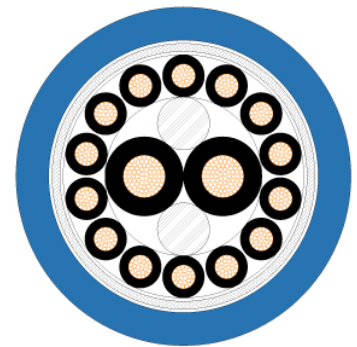


# Power/signal cable

## Type 50161/C



### Construction characteristics

<b>Conductor</b>	1.50 mm <sup>2</sup> stranded bare copper conductor (19x0.32 mm) - Unilay insulated with XLPE Nominal OD 3.0 mm, black with white numbers 1-2 (2 each)
<b>Conductor</b>	0.50 mm <sup>2</sup> (21 AWG) stranded bare copper conductor (19x0.18 mm) - Unilay insulated with XLPE Nominal OD 1.6 mm, black with white numbers 3-16 numbered (14 each)
<b>Filler</b>	Fillers where needed for roundness
<b>Tape</b>	Binder tapes
<b>Screen</b>	Tinned copper braid, coverage ≥ 85%
<b>Tape</b>	Waterblocking tape
<b>Outer jacket</b>	Polyurethane jacket. Colour blue glossy finish Nominal thickness 1.25 mm
<b>European directives</b>	2002/95/CE (RoHS – Reduction of Hazardous Substances) and 2002/96/CE (WEEE – Waste from Electronic Equipment)

### Mechanical characteristics

<b>Diameter</b>	12.80 mm ±0.40 mm
<b>Weight in air</b>	281 kg/km
<b>Weight in seawater</b>	153 kg/km
<b>Min. bending radius, static</b>	128 mm
<b>Min. bending radius, dynamic</b>	192 mm
<b>Depth rating</b>	6,000 m
<b>Operating temperature range</b>	-40°C - +80°C

### Electrical characteristics

<b>Operating voltage</b>	600 V for 1.5 mm <sup>2</sup> conductor 250 V for 0.50 mm <sup>2</sup> conductor
<b>Test voltage</b>	3,500 V VAC x 1 min for 1.5 mm <sup>2</sup> conductor 1,000 V VAC x 1 min for 0.5 mm <sup>2</sup> conductor