

# Power & data cable

## Type 4026



### Construction characteristics

<b>Conductor (center)</b>	1.50 mm <sup>2</sup> bare copper conductor IEC 60228 class 5 insulated with HDPE Nominal wall thickness 0.70 mm, nominal diameter 2.95 mm Colours blue, red, yellow, white (4 each)
<b>Shielded twisted pair</b>	0.50 mm <sup>2</sup> bare copper conductor IEC 60228 class 5 insulated with HDPE Nominal wall thickness 0.43 mm, nominal diameter 1.75 mm 2 conductors twisted together white-blue with a polyester tape, tinned copper drain wire 7 x 0.3 and aluminium/polyester tape Polyethylene sheath, nominal thickness 0.30 mm, nominal diameter 4.35 mm Colour white numbered 1-11, (11 each)
<b>Tape</b>	Protective polyester
<b>Inner sheath</b>	SEBS TPR, nominal wall thickness 2.10 mm, nominal diameter 11.35 mm
<b>Filling compound</b>	Silicone water blocking compound
<b>Outer jacket</b>	Hydrolysis UV resistant Polyurethane, nominal wall thickness 1.70 mm Colour black

### Mechanical characteristics

<b>Diameter</b>	23.50 mm
<b>Weight in air</b>	698 kg/km
<b>Weight in seawater</b>	253 kg/km
<b>Weight in fresh water</b>	265 kg/km
<b>Min. bending radius, static</b>	118 mm
<b>Min bending radius, dynamic</b>	235 mm
<b>Qualified pressure test</b>	6,000 m (600 bar)
<b>Operating temperature range</b>	-30°C - +80°C

### Electrical characteristics

<b>Operating voltage</b>	600 V for 0.50 mm <sup>2</sup> conductor 1,000 V for 1.50 mm <sup>2</sup> conductor
<b>Conductor resistance</b>	< 39.00 Ω/km at 20°C for 0.50 mm <sup>2</sup> conductor < 13.30 Ω/km at 20°C for 1.50 mm <sup>2</sup> conductor