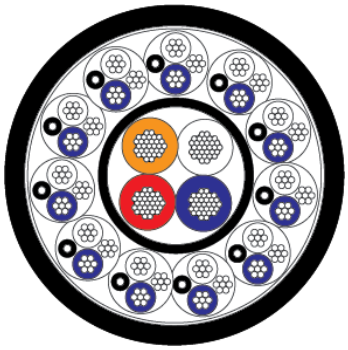
Power & data cable
Type 4026



Construction characteristics

Conductor (center)	1.50 mm² 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)
Shielded twisted pair	0.50 mm² 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)
Tape	Protective polyester
Inner sheath	SEBS TPR, nominal wall thickness 2.10 mm, nominal diameter 11.35 mm
Filling compound	Silicone water blocking compound
Outer jacket	Hydrolysis UV resistant Polyurethane, nominal wall thickness 1.70 mm Colour black

Mechanical characteristics

Diameter	23.50 mm ± 0.60 mm
Weight in air	647 kg/km
Weight in seawater	202 kg/km
Weight in fresh water	214 kg/km
Min. bending radius, static	118 mm
Min bending radius, dynamic	235 mm
Qualified pressure test	6,000 m (600 bar)
Operating temperature range	-30°C - +80°C

Electrical characteristics

Operating voltage	600 V for 0.50 mm² conductor 1,000 V for 1.50 mm² conductor
Conductor resistance	< 39.00 Ω/km at 20°C for 0.50 mm² conductor < 13.30 Ω/km at 20°C for 1.50 mm² conductor
Test voltage	3,500 Vac for 0.50 mm² conductor (cond – cond) 3,500 Vac for 0.50 mm² conductor (cond – shield) 4,000 Vac for 1.50 mm² conductor (cond – cond) 4,000 Vac for 1.50 mm² conductor (cond – shield)
Capacitance (calculated)	75 ±5 pF/m
Impedance (calculated)	72 ±5 Ω
Attenuation (calculated)	< 28 dB/km at 1 MHz