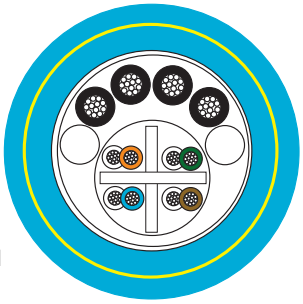
Power/Ethernet cable Type 4480/K



Construction characteristics

Ethernet element (cat. 6)	2 x 0,13 mm² (26 AWG) bare copper conductor insulated with polyolefin. Two cores twisted together with a central cross separator (4 each) Colour: White/orange, white/green, white/blue, white/brown Overall Polyester/Alu tape and tinned copper braid. Coverage ≥80% (1 each)
Conductor	1 mm² (18 AWG) bare copper conductor insulated with special polymer. Nominal diameter 2,70 mm (4 each). Black, numbered 1-4
Filler	Water blocked compound
Inner tape	No hygrosic tape
Inner shield	Tinned copper braid. Coverage ≥ 85%
Inner jacket	Polyurethane, nominal thickness 1,2 mm, nominal OD 12,9 mm. Colour blue
Strength member	Aramidic yarn braid, nominal thickness approx 0,4 mm
Outer jacket	Polyurethane, nominal thickness 1,2 mm. Colour blue
Marking	Power/Ethernet cable Type 4480/K / 07 month/year (mmyy)

Mechanical characteristics

Diameter	16.10 mm ±0.5 mm
Weight in air	270 kg/km
Weight in seawater	57 kg/km
Min. bending radius	161 mm
Strength member breaking load	20 kN
Depth rating	3,000 m (deeper on request)

Electrical characteristics

Operating voltage	1,000 V for 1 mm² conductor
Test voltage	4.000 Vac x 10 min for 1 mm² conductor 1,5 kVac x 1 min for 4 x 2 AWG26 (cat. 6) (cond. - cond.) 1,5 kVac x 1 min for 4 x 2 AWG26 (cat. 6) (cond. - shield)
Conductor resistance	19.5 Ω/km max for 1 mm² conductor 145 Ω/km max for 4 x 2 AWG26 (cat. 6)
Insulation resistance	≥ 5 GΩxkm for 1 mm² conductor + 4 x 2 AWG26 (cat. 6)

4 x 2 x 26 AWG (cat. 6)

Capacitance	52 pF/m (cond. - cond.)
Nominal impedance	100±15Ω (1-100 MHz)
Max attenuation	≤3,2 dB/100 m at 1,0 MHz ≤8,9 dB/100 m at 10,0 MHz ≤12,6 dB/100 m at 20,0 MHz ≤28,7 dB/100 m at 100,0 MHz
Date rate	1 Gbit/s (up to 90 m)