Coax hybrid cable
Type 6926K

Construction characteristics

Coax	75 Ω coax (1 each)
Conductor	1.00 mm² bare copper conductor insulated with PE (8 each)
Shielded twisted quint	0.14 mm² tinned copper conductor insulated with PE 5 conductors twisted together with a tinned copper drain wire and aluminium/polyester foil (1 each)
Shielded twisted quad	0.22 mm² tinned copper conductor insulated with PE 4 conductors twisted together with a tinned copper drain wire and aluminium/polyester foil (1 each)
Filling compound	The cable is filled with cable filling compound
Strength member	Kevlar braid
Outer jacket	Polyurethane jacket. Colour red
Halogen free	Acc. to CEI 20-37 – EN 50267-2-1 – IEC 60754-1

Mechanical characteristics

Diameter	14.40 mm ±0.50 mm
Weight in air	275 kg/km nom
Weight in seawater	108 kg/km nom
Min. bending radius, static	100 mm
Min. bending radius, dynamic	200 mm
Min. breaking strength	7 Kn
Depth rating	5,000 m

Electrical characteristics

Operating voltage	600 V for 1.00 mm² conductor 24 V for 0.22 mm² and 0.14 mm² conductor
Test voltage	1,500 V DC for 1 min. for coax, 0.22 mm² and 0.14 mm² conductor 3,000 V DC for 1 min. for 1.00 mm² conductor
Conductor resistance	≤ 89.5 Ω/km for coax ≤ 20.0 Ω/km for 1.00 mm² conductor ≤ 96.2 Ω/km for 0.22 mm² conductor ≤ 145.0 Ω/km for 0.14 mm² conductor

Insulation resistance	≥ 5,000 MΩ×km
Capacitance	67 pF/m for coax 80 pF/m for 0.22 mm² quad 65 pF/m for 0.14 mm² quint
Impedance	75 ±3 Ω at 1 MHz for coax
Attenuation (coax)	2.5 dB/100 m at 5 MHz 12.20 dB/100 m at 100 MHz 41.50 dB/100 m at 1,000 MHz