TV cable, Kevlar Type 6926

Construction characteristics

Coax	75 ohm coax (1 each)
Conductors	1.00 mm² bare copper conductor insulated with PE (8 each)
Shielded twisted quint	0.14 mm² tinned copper conductors insulated with PE. Five conductors twisted together with a tinned copper drain wire and aluminium/polyester foil (1 each)
Shielded twisted quad	0.22 mm² tinned copper conductors insulated with PE. Four 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

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 conductors 24 V for 0.22 mm² and 0.14 mm² conductors
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 ohm/km for coax ≤ 20.0 ohm/km for 1.00 mm² conductor ≤ 96.2 ohm/km for 0.22 mm² conductor ≤ 145.0 ohm/km for 0.14 mm² conductor
Insulation resistance	≥ 5,000 Mohm×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 Ohm at 1 MHz for coax
Attenuation	2.5 dB/100 m at 5 MHz for coax 12.20 dB/100 m at 100 MHz for coax 41.50 dB/100 m at 1,000 MHz for coax