

Coax hybrid cable

Type 6926



Construction characteristics

Coax	75 Ω coax (1 each)
Conductor	1.00 mm ² bare copper conductor insulated with PE (8 each)
Shielded twisted quint	0.14 mm ² 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 mm ² 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 \pm 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 mm ² conductor 24 V for 0.22 mm ² and 0.14 mm ² conductor
Test voltage	1,500 V DC for 1 min. for coax, 0.22 mm ² and 0.14 mm ² conductor 3,000 V DC for 1 min. for 1.00 mm ² conductor
Conductor resistance	\leq 89.5 Ω /km for coax \leq 20.0 Ω /km for 1.00 mm ² conductor \leq 96.2 Ω /km for 0.22 mm ² conductor \leq 145.0 Ω /km for 0.14 mm ² conductor

Insulation resistance	$\geq 5,000 \text{ M}\Omega \times \text{km}$
Capacitance	67 pF/m for coax 80 pF/m for 0.22 mm ² quad 65 pF/m for 0.14 mm ² quint
Impedance	75 \pm 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