

Coax hybrid cable

Type 6075



Construction characteristics

Coax	75 Ω coax (7 x 0.12 mm) Foam skin Polyethylene diam 1.60 mm nom Tinned copper braid, coverage ≥ 90% Polyethylene jacket. Colour black Diam 2.60 ±0.15 mm (1 each)
Conductor	1.00 mm² bare copper conductor (32 x 0.20 mm) insulated with Polyethylene, diam 2.00 mm nom (2 each). Colour red, blue
Shield	Aluminium/polyester foil and tinned copper drain wire (16 x 0.20 mm), coverage 100%
Tape	Fleece tape
Outer jacket	Polyurethane jacket. Colour orange
Halogen free	Acc. to IEC 60754

Mechanical characteristics

Diameter	7.50 mm ±0.25 mm
Weight in air	73 kg/km nom
Weight in seawater	28 kg/km nom
Min. bending radius, static	50 mm
Min. bending radius, dynamic	60 mm
Depth rating	5,000 m
Operating temperature range	-20°C - +80°C

Electrical characteristics

Operating voltage	600 V for conductor
Test voltage	1,500 V DC for 1 min
Conductor resistance	≤ 250.0 Ω/km for coax ≤ 20.0 Ω/km for conductor
Insulation resistance	≥ 5,000 MΩ×km
Capacitance	59 pF/m for coax

Attenuation (coax)

4.30 dB/100 m at 5 MHz
6.50 dB/100 m at 10 MHz
13.80 dB/100 m at 50 MHz
18.60 dB/100 m at 100 MHz
67.11 dB/100 m at 1,000 MHz