

**elbaC Cable**

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**Construction****Inner conductor** ①

Material	Copper Clad Steel
Conductivity	40%
Diameter	Ø 0.49 mm = 7 × Ø 0.16 mm

Dielectric ②

Material	Solid PE
Color	Natural
Diameter	Ø 1.52 mm

Outer conductor**1st Layer** ③

Material	Tinned Copper
Braiding	16 × (4 × Ø 0.10 mm)
Coverage	≥ 85 %

Sheath ④

Material	PVC
Color	Black RAL 9005
Diameter	Ø 2.80 ± 0.15 mm

Mass 13 kg/km

Marking of sheath

Printing	MIL C17 - RG174 - 50 OHMS - CE - with XXX : Quantity in meter still available per reel DDDDD : Date code
Color / Process	White / Ink jet
Step	1 m

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Step	1 m

Meet Standards

Environment : European directive 2011/65/EU
Marking : **CE**

MIL C17 (USA Military Standard)

Electrical characteristics

Impedance 50 ± 2 Ω

Capacitance < 105 pF/m

Max DC resistances (20°C)

Inner conductor 330 Ω/km

Outer conductor 37 Ω/km

Propagation velocity 66.6%

Max operation voltage 1500V

Insulation resistance (20°C) > 5000MΩ.km

Longitudinal attenuation

Frequency MHz	Max attenuation dB/100m
10	9.5
50	18.0
100	27.0
200	40.0

Thermal characteristics

CPR fire reaction class F_{ca}

Rated temperature - 40 to 85°C

Packaging

- WA : 1000m / Wooden Drum

Notes