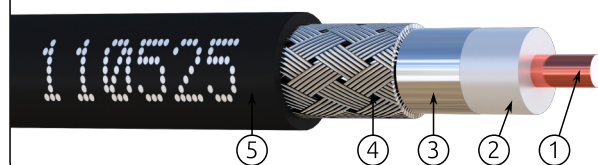
**elbaC Cable**

ZAC sous le Beer - RD 836
F-27730 BUEIL (Eure - France)
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**Construction****Inner conductor** ①

Material	Copper Clad Aluminum
Diameter	Ø 2.74 ± 0.02 mm

Dielectric ②

Material	Cellular PE Physical
Color	Natural
Diameter	Ø 7.25 ± 0.20 mm

Outer conductor**1st Layer** ③

Material	Aluminum/PET Tape
Coverage	≥ 115%

2nd Layer ④

Material	Tinned Copper
Braiding	24 × (6 × Ø 0.16 mm)
Coverage	80%

Sheath ⑤

Material	PEHD
Color	Black RAL 9005
Diameter	Ø 10.30 ± 0.20 mm

Mass 104 kg/km

Marking of sheath

Printing <small>with XXX : Quantity in meter still available per reel DDDDD : Date code</small>	FRG 400 - CE - elbaC 110525 - DDDDD - XXX m
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Color / Process White / Ink jet

Step 1 m

Electrical characteristics

Impedance 50 ± 2 Ω

Capacitance 78.4 pF/m

Max DC resistances (20°C)

Inner conductor 4.56 Ω/km

Outer conductor 5.41 Ω/km

Propagation velocity 85%

Max operation voltage 2500V

Insulation resistance (20°C) > 500MΩ.km

Longitudinal attenuation

Frequency MHz	Max attenuation dB/100m
30	2.2
50	2.9
150	5.0
220	6.1
450	8.9
900	12.8
1500	16.8
1800	18.6
2000	19.8
2500	22.2
5800	35.5

Screening attenuation

Attenuation 30-5000 MHz ≥ 90 dB

Thermal characteristics

CPR fire reaction class F_{ca}

Rated temperature 70°C

Meet Standards

Coaxial :	EN 50575
Environment :	European directive 2011/65/EU
Marking :	CE

Packaging

- W5 : 500m / Wooden Drum

Notes

Compatible with connectors for cables : LMR400, Belden® 9913
Example of connector : Amphenol® RF 082-6142-1000, 082-6143-1000