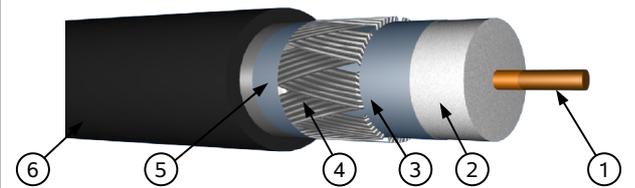
**elbaC Cable**

Chemin du Virolet – Rowenta  
F-27200 VERNON  
Tel : +33 (0)2 32 21 64 78  
Fax : +33 (0)2 76 01 31 80  
www.elbac.fr / info@elbac.fr

**Construction****Inner conductor** ①

Material	Annealed copper
Diameter	Ø 1.13 ± 0.02 mm

**Dielectric** ②

Material	Cellular PE Physical
Color	Natural
Diameter	Ø 4.85 ± 0.20 mm

**Outer conductor****1<sup>st</sup> Layer** ③

Material	Alu/Polyester Tape Bonded
Coverage	≥ 115%

**2<sup>nd</sup> Layer** ④

Material	Aluminum Alloy
Braiding	16 x (7 x Ø 0.12 mm)
Coverage	72%

**3<sup>rd</sup> Layer** ⑤

Material	Alu/Polyester Tape
Implementation	Bond to the jacket
Coverage	≥ 115%

**Sheath** ⑥

Material	PE Black
Diameter	Ø 6.80 ± 0.20 mm

<b>Mass</b>	40 kg/km
-------------	----------

**Marking on sheath**

Printing	«17PA1C 1.13/4.85 Class A+ 3GHz with XXX quantity in meter still available per reel WWYY : WeekYear - elbaC pour LABEL.ws 100166 - WW/YY – XXX m »
----------	---

Color / Process	White / Ink jet
-----------------	-----------------

Step	1 m
------	-----

**Stripping force / 50 mm**

Dielectric	15 N ≤ F ≤ 35 N
------------	-----------------

**Meet Standards**

RoHS European Directive

**Electrical characteristics**

Impedance	75 ± 3 Ω
-----------	----------

Capacitance	< 60 pF/m
-------------	-----------

**Max DC resistance**

Inner conductor	1.8 Ω/100m
-----------------	------------

Outer conductor	2.5 Ω/100m
-----------------	------------

<b>Propagation velocity ratio</b>	84%
-----------------------------------	-----

<b>Rated voltage</b>	30 V
----------------------	------

<b>Insulation resistance 20°C</b>	>500MΩ/km
-----------------------------------	-----------

**Longitudinal attenuation**

Frequency MHz	Max attenuation dB/100m
5	1.5
50	4.3
100	5.9
200	8.4
400	12.0
800	17.5
862	18.3
950	19.2
1350	23.3
1750	27.0
2150	30.6
3000	36.8

**Return loss**

Frequency MHz	Return loss dB
[ 5 - 30 ]	> 23
[ 30 - 470 ]	> 23
[ 470 - 862 ]	> 20
[ 862 - 1000 ]	> 18

**Screening attenuation**

Class	A+
-------	----

Attenuation 30-1000MHz	≥100 dB
------------------------	---------

**Thermal characteristics**

<b>Rated Temperature</b>	70°C
--------------------------	------

**Packaging**

C1 = 100 m / carton reel  
W2 = 250 m / wooden drum  
WE = 5 km / wooden drum

**Notes**