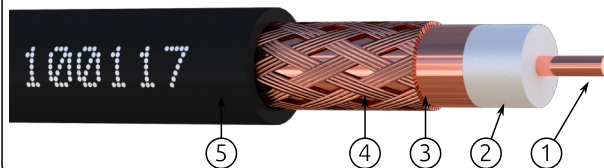
**elbaC Cable**

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**Construction**

Inner conductor ①	
Material	Annealed Copper
Diameter	$\varnothing 1.70 \pm 0.02$ mm
Dielectric ②	
Material	Cellular PE Physical
Color	Natural
Diameter	$\varnothing 7.00 \pm 0.25$ mm
Outer conductor	
1 st Layer ③	
Material	Copper / PET Tape
Coverage	$\geq 115\%$
2 nd Layer ④	
Material	Copper Clad Aluminium
Braiding	$16 \times (8 \times \varnothing 0.12 \text{ mm})$
Coverage	50%
Sheath ⑤	
Material	PE Black
Diameter	$\varnothing 10.30 \pm 0.30$ mm
Mass	80 kg/km
Marking of sheath	
Printing with XXX : Quantity in meter still available per reel DDDDD : Date code	EN50117-6 11PRtC 1.7/6.9 Class A 3GHz - CE - elbaC 100117- DDDDD - XXX m
Color / Process	White / Ink jet
Step	1 m
Stripping force / 50 mm	
Dielectric	$25 \text{ N} \leq F \leq 50 \text{ N}$

Meet Standards

Coaxial :	EN 50117-6
Environment :	European directive 2011/65/EU
Marking :	CE
Fire reaction :	EN 50575:2014/A1:2016

Notes**Electrical characteristics**

Impedance	$75 \pm 3 \Omega$
Capacitance	$< 50 \text{ pF/m}$
Max DC resistances (20°C)	
Inner conductor	$0.80 \Omega/100\text{m}$
Outer conductor	$2.20 \Omega/100\text{m}$
Propagation velocity	88%
Rated voltage	30V
Insulation resistance (20°C)	$> 500 \text{ M}\Omega/\text{km}$
Longitudinal attenuation	

Frequency MHz	Max attenuation dB/100m
5	0.9
50	2.7
100	3.8
200	5.4
400	7.7
800	11.0
862	11.5
950	12.1
1350	14.6
1750	16.7
2150	18.7
3000	22.3

Return loss

Frequency MHz	Return loss dB/100m
[5 - 30]	> 23
[30 - 470]	> 23
[470 - 862]	> 20
[862 - 1000]	> 18

Screening attenuation

Class	A
Attenuation 30-1000 MHz	$\geq 85 \text{ dB}$

Thermal characteristics

CPR fire reaction class	F _{ca}
Rated temperature	70°C

Packaging

- W3 : 250m / Wooden Drum