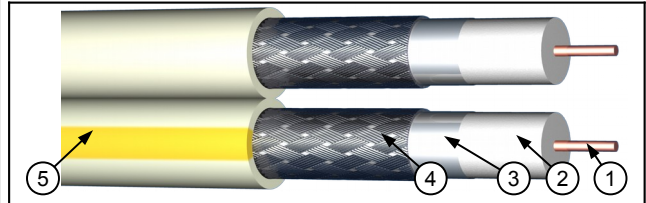
**elbaC Cable**

ZAC sous le Beer - RD 836
 F-27730 BUEIL
 Tel : +33 (0)2 32 62 00 92
 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**1st Layer** ③

Material	Thick Alu/Polyester/Alu tape Bonded to dielectric foam
Coverage	≥ 115%

2nd Layer ④

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

Sheath ⑤

Material	PVC White (RAL 9003) + PVC White/Yellow (RAL1018)
Diameter	2 × Ø 6.80 ± 0.20 mm

Mass	86 kg/km
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Marking on sheath

Printing <small>with XXX quantity in meter still available per reel DDDDD : Date code</small>	«TWIN 17VA _t C 1.13/4.85 Class A 3GHz - EN 50117-5 - - elbaC 102067 - DDDDD - XXX m »
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Color / Process	Yellow / Ink jet
Step	1 m

Stripping force / 50 mm

Dielectric	15 N ≤ F ≤ 35 N
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Meet Standards

EN 50117-5
 European directive 2011/65/UE

Electrical characteristics

Impedance	75 ± 2 Ω
Capacitance	< 60 pF/m

Max DC resistance

Inner conductor	1.8 Ω/100m
Outer conductor	2.5 Ω/100m

Propagation velocity ratio	84%
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Rated voltage	30 V
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Insulation resistance 20°C	>500MΩ/km
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Longitudinal attenuation

Frequency MHz	Attenuation dB/100m
5	1.2
50	4.1
100	5.6
200	8.2
400	11.5
800	16.7
862	17.5
950	18.4
1350	20.0
1750	25.5
2150	28.7
3000	35.0

Return loss

Frequency MHz	Return loss dB
[5 - 30]	> 25
[30 - 470]	> 24
[470 - 862]	> 22
[862 - 1000]	> 22

Screening attenuation

Class	A
Attenuation 30-1000MHz	≥85 dB

Thermal characteristics

CPR fire reaction class	Fca
Rated Temperature	80°C

Packaging

-W1 : 100 m / wooden drum

Notes

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