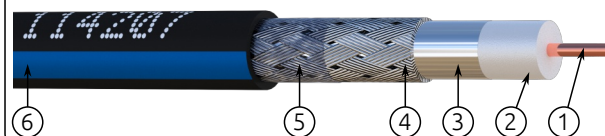
**elbaC Cable**

ZAC sous le Beer - RD 836
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**Construction**

Inner conductor ①	
Material	Annealed Copper
Diameter	$\varnothing 1.1 \pm 0.005$ mm
Dielectric ②	
Material	Cellular PE Physical
Color	Natural
Diameter	$\varnothing 4.9 \pm 0.10$ mm
Outer conductor	
1 st Layer ③	
Material	Thick Alu 40 μ m/Polyester/Alu tape
Coverage	$\geq 125\%$
2 nd Layer ④	
Material	Tinned copper clad aluminum
Braiding	16 \times (8 \times \varnothing 0.12 mm)
Coverage	78%
Water protection	
2 nd Layer	Jelly over braiding ⑤
Sheath	
1 st Layer ⑥	
Material	PE
Color	Black RAL9005 / 2 Blue lines 180°
Diameter	$\varnothing 6.95 \pm 0.15$ mm
Mass	53 kg/km
Marking of sheath	
Printing with XXX: Quantity in meter still available per reel DDDDD: Date code	iDEFINITION 110 - HD SDI - JELLY/PE - 75 OHMS - elbaC 114207 - DDDDD - XXX m
Color / Process	White / Ink jet
Step	1 m

Electrical characteristics

Impedance	$75 \pm 2 \Omega$
Capacitance	< 58 pF/m
Max DC resistances (20°C)	
Inner conductor	21.1 Ω /100m
Outer conductor	21 Ω /100m
Propagation velocity	84%
Rated voltage	30V
Insulation resistance (20°C)	> 500 M Ω .km
Longitudinal attenuation	

Frequency MHz	Max attenuation dB/100m
5	1.5
50	4.6
100	6.5
200	9.2
400	13.0
800	18.7
1000	21.5
1350	25.1
2150	32.1
3000	39.1

Return loss

Frequency MHz	Return loss dB/100m
[5 - 1000]	> 23

Screening attenuation

Attenuation 30-1000 MHz	> 80 dB
Attenuation 1000-3000MHz	> 85 dB

Thermal characteristics

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

Packaging

- C1 : 100m / Cardboard Reel
- W5 : 500m / Wooden Drum
- WA : 1000m / Wooden Drum

Meet Standards

Coaxial :	EN 500117-2-5
Environment :	European directive 2011/65/EU
Marking :	CE

Notes

Cable suitable for tropical countries outdoor use and humid underground tubing
Double marking at 180° with a single blue line

