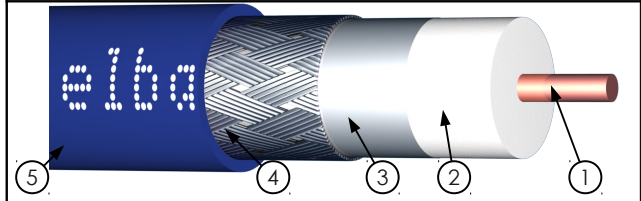
**elbaC Cable**

ZAC Sous le Beer - RD 836
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Fax : +33 (0)2 76 01 31 80
www.elbac.fr / info@elbac.fr

**Construction****Inner conductor** ①

Material	Annealed Copper
Diameter	Ø 0.61 ± 0.005 mm

Dielectric ②

Material	Cellular PE Physical
Color	Natural
Diameter	Ø 2.75 ± 0.10 mm

Outer conductor**1st Layer** ③

Material	Thick Alu 40µm/Polyester/Alu tape
Coverage	≥ 125%

2nd Layer ④

Material	Tinned copper clad aluminum
Diameter	16 x (6 x Ø 0.12 mm)
Coverage	90%

Sheath ⑤

Material	PVC – Fire retardant C2
Color	Blue – RAL 5022
Diameter	Ø 4.5 ± 0.10 mm

Mass	28 kg/km
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Marking on sheath

Printing <small>with XXX quantity in meter still available per reel DDDDD : Date code</small>	« iDEFINITION 61 - HD SDI - 75 OHMS - - elbaC 11181 - DDDDD - XXX m »
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Color / Process	White / Ink jet
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Step	1 m
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Stripping force / 50 mm

Dielectric	15 N ≤ F ≤ 35 N
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Electrical characteristics

Impedance	75 ± 2 Ω
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Capacitance	< 58 pF/m
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Max DC resistance

Inner conductor	65 Ω/km
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Outer conductor	17.2 Ω/km
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Propagation velocity ratio	81%
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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	Max attenuation dB/100m
5	2.4
30	5.4
100	10.5
300	17.9
500	23.1
1000	32.8
2250	49.8
3000	59.3

Return loss

Frequency MHz	Return loss dB
[30 – 1000]	> 23

Screening attenuation

Frequency MHz	Screen attenuation dB
[30 – 2000]	> 100
] 2000 – 3000]	> 100

Meet Standards

European directive 2011/65/EU

Thermal characteristics

Rated Temperature	80°C
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Packaging

-C1	: 100m / Carton drum
-R4	: 400m / Easy reel box
-W5	: 500m / Wooden drum

Notes