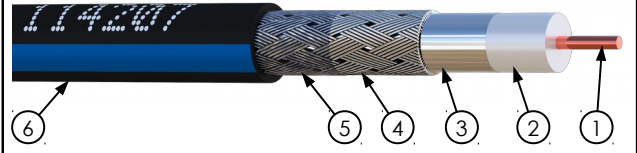
**elbaC Cable**

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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 1.1 ± 0.005 mm

Dielectric ②

Material	Cellular PE Physical
Color	Natural
Diameter	Ø 4.9 ± 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 (8 x Ø 0.12 mm)
Coverage	78%

Corrosion protection ⑤

Material	Jelly over braiding
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Sheath ⑥

Material	PE
Color	Black RAL9005 / 2 Blue lines 180°
Diameter	Ø 6.95 ± 0.15 mm

Mass	53 kg/km
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Marking on sheath

Printing with XXX quantity in meter still available per reel DDDDD : Date code	« iDEFINITION 110 - HD SDI - JELLY/PE - 75 OHMS - CE - elbaC 114207 - DDDDD - XXX m »
Color / Process	White / Ink jet
Step	1 m

Meet Standards

European directive 2011/65/EU

Electrical characteristics

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

Inner conductor	21.1 Ω/km
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Outer conductor	21 Ω/km
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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	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
[30 – 1000]	> 23

Screening attenuation

Frequency MHz	Screen attenuation dB
[30 – 2000]	> 80
] 2000 – 3000]	> 85

Thermal characteristics

Rated Temperature	80°C
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Packaging

-W5	: 500m / Wooden drum
-WA	: 1000m / Wooden drum

Notes

Double marking at 180° with a single blue line

