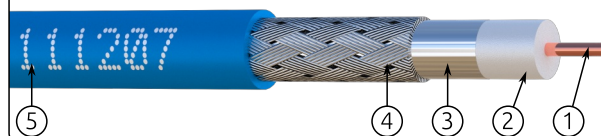
**elbaC Cable**

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**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 ± 0,10mm
Outer conductor	
1st Layer ③	
Material	Thick Alu 40µm/Polyester/Alu tape
Coverage	≥ 125%
2nd Layer ④	
Material	Tinned copper clad aluminum
Braiding	16 × (8 × Ø 0,12 mm)
Coverage	78%
Sheath ⑤	
Material	PVC - Flam retardant C2
Color	Blue - RAL 5015
Diameter	Ø 6,95 ± 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 - 75 OHMS - CE - elbaC 111207 - DDDDD - XXX m
Color / Process	White / Ink jet
Step	1 m
Stripping force / 50 mm	
Dielectric	15 N ≤ F ≤ 35 N

Electrical characteristics

Impedance	75 ± 2 Ω
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)	> 500MΩ.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
[30 - 1000]	> 23

Screening attenuation

Attenuation 30-2000 MHz	> 80 dB
Attenuation 2000-3000MHz	> 85 dB

Thermal characteristics

CPR fire reaction class	E _{ca}
Rated temperature	80°C

Packaging

- P1 : 100m / Plastic Reel
- R2 : 200m / Easy Reel Box
- W5 : 500m / Wooden Drum
- WA : 1000m / Wooden Drum

Meet Standards

CE marking
European directive 2011/65/EU
EN 50575:2014 / A1:2016

Notes