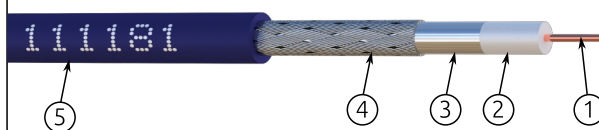
**elbaC Cable**

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**Construction**

<b>Inner conductor</b> ①	
Material	Annealed copper
Diameter	Ø 0.61 ± 0.005 mm
<b>Dielectric</b> ②	
Material	Cellular PE Physical
Color	Natural
Diameter	Ø 2.70 ± 0.10 mm
<b>Outer conductor</b>	
1 <sup>st</sup> Layer ③	
Material	Thick tape bonded to dielectric Alu 20µm/Polyester 15µm/Alu 20µm
Coverage	≥ 125%
Diameter	Ø 2.90 ± 0.10 mm
2 <sup>nd</sup> Layer ④	
Material	Tinned copper clad aluminum
Braiding	16 × (6 × Ø 0.12 mm)
Coverage	90%
<b>Sheath</b> ⑤	
Material	PVC - Flam retardant C2
Color	Blue - RAL 5022
Diameter	Ø 4.50 ± 0.10 mm
<b>Weight</b>	
Linear mass	28 kg/km
<b>Marking of sheath</b>	
Printing with XXX: Quantity in meter still available per reel DDDDD: Date code	« iDEFINITION 61 - HD SDI - 75 OHMS - <b>CE</b> - elbaC 111181 - DDDDD - XXXm »
Color / Process	White / Ink jet
Step	1m
<b>Stripping force / 50 mm (F)</b>	
Dielectric	15 N ≤ F ≤ 35 N

**Meet Standards**

Marking : **CE**  
Environment : European directive 2011/65/EU  
Fire reaction : EN 50575:2014/A1:2016

**Electrical characteristics**

Impedance	75 ± 2 Ω/km
Capacitance	< 58 pF/m
<b>Max DC Resistance at 20°C</b>	
Inner conductor	65 Ω/km
Outer conductor	17.2 Ω/km
Propagation velocity	81%
Rated voltage	30 V
Insulation resistance at 20°C	> 500 MΩ/km
<b>Longitudinal attenuation</b>	

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**

Attenuation 30 - 2000 MHz	> 100 dB
Attenuation 2000 - 3000 MHz	> 100 dB

**Thermal characteristics**

CPR fire reaction Euroclass	E <sub>ca</sub>
Rated temperature	80°C

**Packaging**

- C2 : 200m / Cardboard Reel
- R4 : 400m / Easy Reel Box
- W5 : 500m / Wooden Drum
- WA : 1000m / Wooden Drum

**Notes**

Suitable connectors 953181 / 970181