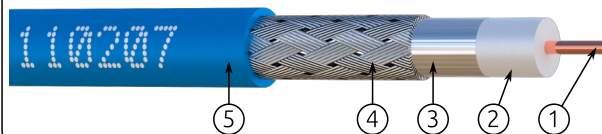
**elbaC Cable**

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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 <sup>st</sup> Layer ③	
Material	Thick Alu 40 $\mu$ m/Polyester/Alu Tape
Coverage	$\geq 125\%$
2 <sup>nd</sup> Layer ④	
Material	Tinned Copper
Braiding	16 $\times$ (8 $\times$ $\varnothing 0.12$ mm)
Coverage	78%
Sheath ⑤	
Material	PVC - Flam retardant C2
Color	Blue - RAL 5015
Diameter	$\varnothing 6.95 \pm 0.15$ mm
Mass	53 kg/km
Marking of sheath	
Printing	HR6 R - HD SDI - 75 OHMS - <b>CE</b> - with XXX : Quantity in meter still available per reel DDDDD : Date code
Color / Process	White / Ink jet
Step	1 m
Stripping force / 50 mm	
Dielectric	15 N $\leq$ F $\leq$ 35 N

**Electrical characteristics**

Impedance	75 $\pm$ 2 $\Omega$
Capacitance	< 58 pF/m
Max DC resistances (20°C)	
Inner conductor	21.1 $\Omega$ /100m
Outer conductor	12.8 $\Omega$ /100m
Propagation velocity	84%
Rated voltage	30V
Insulation resistance (20°C)	> 500M $\Omega$ /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 - 3000 MHz	> 85 dB

**Thermal characteristics**

CPR fire reaction class	F <sub>ca</sub>
Rated temperature	80°C

**Packaging**

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

**Meet Standards**

Environment :	European directive 2011/65/EU
Marking :	<b>CE</b>
Fire reaction :	EN 50575:2014/A1:2016 F <sub>ca</sub> IEC 60332-1 NF C 32-070 Classe C2

**Notes**

- Inner conductor of KX8
- Outer sheath diameter of KX6
- Longitudinal attenuation better than KX8