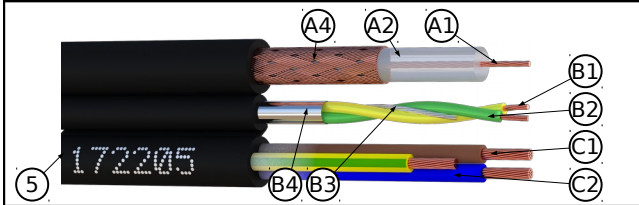
**elbaC Cable**

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**Construction**

Group	(A)	(B)	(C)
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**Inner conductor** ①

Material	Bare Copper	Bare Copper	Bare Copper
Diameter	7 × Ø 0.19mm	7 × Ø 0.25mm	21 × Ø 0.21mm
Section	0.22 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.75 mm <sup>2</sup>

**Insulation** ②

Material	Solid PE	HDPE	PVC - Fire ret.
Color	Natural	Green/Yellow	Blue, Brown, Yellow with green line
Diameter	Ø3.7±0.10mm	Ø1.20±0.10mm	Ø2.0±0.15mm

**Outer conductor****1<sup>st</sup> Layer Drain** ③

Material		Tinned Copper	
Diameter		7 × Ø 0.25 mm	

**1<sup>st</sup> Layer** ④

Material	Copper Clad Alum.	Alu/PET Tape	
Coverage	85%	≥ 115%	
Braiding	16×(7×Ø0.12mm)		
Lay Length		38 mm ± 10%	

**Filler**

Material			Chalk
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**Assembly**

Type	Flat cable triple shotgun (KX 1P 3C)		
Position	Left	Middle	Right
Quantity	1 coax	1 pair	3 conductors

**Sheath** ⑤

Material	PVC - Fire retardant		
Color	Black		
Diameter	Ø6.1±0.15 mm	Ø4.0±0.15 mm	Ø5.7 ±0.15 mm
Mass	119 kg/km		

**Marking on sheath**

Printing	« KX6 - 1P0.34 - 3×0.75 - CE - elbaC 172205 - DDDDD - XXX m »
Color	White / Pigment ink jet
Step	1 m

**Meet Standards**

European directive 2011/65/EU  
IEC 60332-1 (equivalent to French Class C2)

**Packaging**

-R1	: 100m / Easy reel drum
-W2	: 250m / Wooden drum

**Electrical characteristics KX6** (A)

Impedance	75 ± 3 Ω
Capacitance	67 ± 3 pF/m

**Max DC resistance**

Inner conductor	93.8 Ω/km
Outer conductor	22.6 Ω/km

**Propagation velocity ratio** 66%**Rated voltage** 30 V**Insulation resistance 20°C** >500MΩ/km**Longitudinal attenuation**

Frequency MHz	Max attenuation dB/100m
10	3.7
200	17.0
400	25.0
800	35.5

**Return loss**

Frequency MHz	Return loss dB
[ 30 - 1000 ]	> 20

**Screening attenuation**

Frequency MHz	Screen attenuation dB
[ 30 - 2000 ]	>75

**Electrical characteristics** (B) (C)

Impedance	100 Ω	
Max DC resistance	< 54 Ω/km	< 24 Ω/km
Mutual pair capacitance	125pF/m	
Rated voltage U0/U	300 / 300 V	450 / 750V
Insulation resistance 20°C	> 100MΩ.km	> 200MΩ.km

**Thermal characteristics**

Rated Temperature	80°C
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**Notes**

Special sheath design  
with shiftable power  
cable

