

**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 ²	0.34 mm ²	0.75 mm ²

Insulation (2)

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

Outer conductor**1st Layer Drain** (3)

Material	 	Tinned Copper	
Diameter	 	7 × Ø 0.25 mm	

1st 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 2C)		
Position	Left	Middle	Right
Quantity	1 coax	1 pair	2 conductors

Sheath (5)

Material	PVC - Fire retardant		
Color	Black		
Diameter	Ø6.1±0.15 mm	Ø4.0±0.15 mm	Ø5.4 ±0.15 mm

Mass

Mass	110 kg/km
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Marking on sheath

Printing <small>with XXX quantity in meter still available per reel DDDDD : Date code</small>	« KX6 - 1P0.34 - 2×0.75 - CE - elbaC 170205 – DDDDD – XXX m »
Color	White / Pigment ink jet
Step	1 m

Meet Standards

European directive 2011/65/EU

Electrical characteristics KX6 (A)

Impedance	75 ± 3 Ω
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Capacitance	67 ± 3 pF/m
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Max DC resistance

Inner conductor	93.8 Ω/km
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Outer conductor	22.6 Ω/km
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Propagation velocity ratio	66%
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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
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	
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Max DC resistance	< 54 Ω/km	< 24 Ω/km
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Mutual pair capacitance	125pF/m	
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Rated voltage U0/U	300 / 300 V	450 / 750V
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Insulation resistance 20°C	> 100MΩ.km	> 200MΩ.km
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Thermal characteristics

Rated Temperature	80°C
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Packaging

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

Notes

Special sheath design with shiftable power cable

