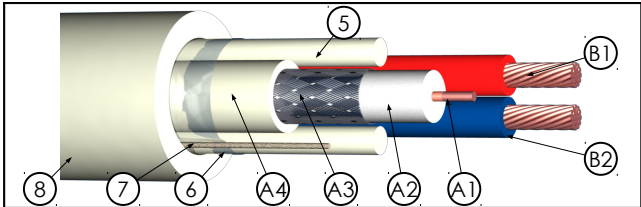
**elbaC Cable**

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

Material	Annealed Copper	Annealed Copper
Diameter	Ø 0.40 ± 0.008 mm	16 × Ø 0.20 ± 0.01 mm
Section	0.13 mm ²	0.50 mm ²

Insulation (2)

Material	Gas injection PE (hard)	PVC - Fire ret.
Color	Natural	Blue/Red
Diameter	Ø 1.75±0.10mm	Ø 2.0±0.15mm

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

Material	Tinned Copper	X
Coverage	≥ 85%	
Braiding	16 x (4 x Ø 0.12 mm)	

Sheath (4)

Material	hard PVC	X
Diameter	Ø 2.90 ± 0.10 mm	

Filler (5)

Material	PVC
Diameter	2 × Ø 1.25 ± 0.15 mm

Assembly

Type	Mylar tape assembly	(6)
Rip Cord	250D	(7)

Sheath (8)

Material	PVC Flame retardant (70P)
Color	White
Diameter	Ø 7.5 ± 0.2 mm

Mass**Marking on sheath**

Printing	« μC75 + 2×0.50 - C C - elbaC 169050 - DDDDD - XXX m » <small>with XXX quantity in meter still available per reel DDDDD : Date code</small>
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Color**Step****Meet Standards**

European directive 2011/65/EU
IEC 60332-1 (French fire class C2 : NF C 32-070 2.1)

Notes**Electrical characteristics μC75** (A)

Impedance	75 ± 3 Ω
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Capacitance	57 ± 3 pF/m
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Max DC resistance

Inner conductor	< 135 Ω/km
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Outer conductor	< 28 Ω/km
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Propagation velocity ratio	78%
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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
1	1.8
10	6.0
50	13.0
100	18.2
200	26.2
400	38.0
800	56.0
1000	64.0

Return loss

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

Electrical characteristics (B)

Max DC resistance	< 39 Ω/km
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Rated voltage U0/U	250V
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Insulation resistance 20°C	> 200MΩ.km
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Thermal characteristics

Rated Temperature	70°C
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Packaging

-C1	: 100m / Carton drum
-R2	: 200m / Easy Reel Box