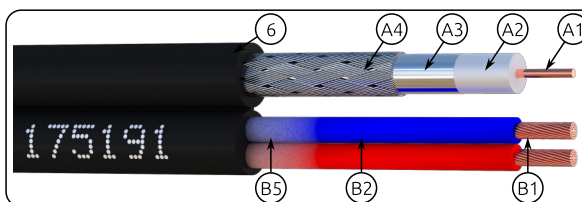
**elbaC Cable**

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**Construction**

Group		A	B
Inner Conductor		①	
Material	Bare Copper	Bare Copper	
Diameter	1 × Ø0,80 mm ± 0,005 mm	43 × Ø0,21 mm	
Section	0,50 mm ²	1,5 mm ²	
Insulation		②	
Material	Foamed PE	PVC - Fire ret.	
Color	Natural	Blue / Red	
Diameter	Ø3,65±0,10mm	Ø2,4±0,15mm	
Outer conductor		③ ④	
1 st + 2 nd Layer - Film			
Material	PET/Alu 125%	X	
Braiding	16×(6×0,12mm)		
Coverage	78%		
Material	Tinned copper clad aluminum		
Filler		⑤	
Material	X	Chalk	
Assembly			
Type	Flat cable double shotgun		
Position	Left	Right	
Quantity	1 coax	2 conductors	
Sheath		⑥	
Material	PVC - Flam retardant C2		
Color	Black	Black	
Diameter	Ø6,1±0,15 mm	Ø6,1±0,3 mm	
Weight			
Linear mass	100 kg/km		
Marking of sheath			
Printing	« iDEFINITION 80 + 2×1,5 - CE - with XXX : Quantity in meter still available per reel DDDDD : Date code		
Color / Process	White / Pigment ink jet		
Step	1m		

Meet Standards

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

Electrical characteristics

Electrical characteristics		A
Impedance	75 ± 2 Ω/km	
Capacitance	< 58 pF/m	
Max DC Resistance at 20°C		
Inner conductor	37 Ω/km	
Outer conductor	36 Ω/km	
Propagation velocity	81%	
Rated voltage	30 V	
Insulation resistance at 20°C	> 500 MΩ/km	
Longitudinal attenuation		

Frequency MHz	Max attenuation dB/100m
5	1.8
50	5.6
100	7.9
300	13.9
400	16.1
1000	26.3
2150	39.7
3000	47.8

Return loss

Frequency MHz	Return loss dB
[30 - 1000]	> 23

Screening attenuation

Attenuation 30 - 2000 MHz	> 80 dB
Attenuation 2000 - 3000 MHz	> 85 dB

Electrical characteristics

Electrical characteristics		B
Max DC Resistance	< 12,5 Ω/km	
Rated voltage U0/U	450 / 750V	
Insulation resistance 20°C	> 2000MΩ.km	

Thermal characteristics

CPR fire reaction class	E _{ca}
Rated temperature	80°C

Packaging

- R1 : 150m / Easy Reel Box
- W2 : 250m / Wooden Drum
- W5 : 500m / Wooden Drum

Notes