



Construction		
Group	A	B
Inner Conductor	①	
Material	Bare Copper	Bare Copper
Diameter	1 × Ø0.61mm	21 × Ø0.21 mm
Section	0.29 mm ²	0.75 mm ²
Insulation	②	
Material	Foamed PE	PVC - Fire ret .
Color	Natural	Blue / Red
Diameter	Ø2.70±0.10mm	Ø2.0±0.15mm
Outer conductor	③	
1 st Layer - Film	③	
Material	Thick tape bonded to dielectric Alu 20µm / Polyester 15 µm / Alu 20µm	
Diameter	Ø2.90±0.10mm	
Coverage	≥ 125%	
2 nd Layer - Braid	④	
Material	Tinned copper clad aluminum	
Braiding	16 × (6×Ø0.12mm)	
Coverage	90%	
Filler	⑤	
Material	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	Ø4.5±0.1 mm	Ø5.4±0.15 mm
Weight		
Linear mass	60 kg/km	
Marking of sheath		
Printing	« iDEFINITION®61 + 2×0.75 - elbaC with XXX: Quantity in meter still available per reel DDDDD: Date code 169181 - DDDDD - XXX m »	
Color / Process	White / Pigment ink jet	
Step	1m	
Stripping force / 50 mm (F)		
Dielectric	15 N ≤ F ≤ 35 N	

Meet Standards

CE marking
European directive 2011/65/E U - EN 50575:2014/ A1:2016

Electrical characteristics		A
Impedance	75 ± 2 Ω/km	
Capacitance	< 58 pF/m	
Max DC Resistance at 20°C		
Inner conductor	65 Ω/km	
Outer conductor	17.2 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	2.4
30	5.4
100	10.5
300	17.9
500	23.1
1000	32.8
2250	49.8
3000	59.3

Return loss

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

Screening attenuation

Attenuation 30 - 2000 MHz	> 100 dB
Attenuation 2000 - 3000 MHz	> 100 dB

Electrical characteristics		B
Max DC Resistance	< 24 Ω/km	
Rated voltage U0/U	450 / 750V	
Insulation resistance 20°C	> 2000M Ω.km	

Thermal characteristics

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

Packaging

- R2	: 200m Easy Reel Box
- W5	: 500m / Wooden Drum

Notes

Suitable elbaC connectors : 953181 / 970181