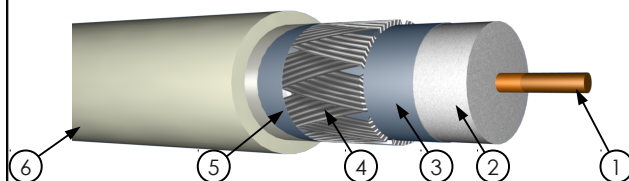




DIPROTEL
Distribución de Telecomunicaciones
Iluminación y Electricidad

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Construction

Inner conductor ①

Material	Annealed copper
Diameter	Ø 1.13 ± 0.02 mm

Dielectric ②

Material	Cellular PE Physical
Color	Natural
Diameter	Ø 4.85 ± 0.20 mm

Outer conductor

1st Layer ③

Material	Alu/Polyester/Alu thick tape
Coverage	≥ 105%

2nd Layer ④

Material	Aluminum Alloy
Braiding	16 x (4 x Ø 0.12 mm)
Coverage	48% (angle 24°)

3rd Layer ⑤

Material	Alu/Polyester Tape
Coverage	≥ 105%

Sheath ⑥

Material	PVC White
Diameter	Ø 6.80 ± 0.20 mm

Mass	48 kg/km
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Marking of sheath

Printing with XXX quantity in meter still available per reel DDDDD : Date code	«EN50117-5 17VAtC 1.13/4.85 Class A 3GHz - € - elbaC 100160 - DDDDD - XXX m »
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Color / Process	Yellow / Ink jet
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Step	1 m
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Stripping force / 50 mm

Dielectric	15 N ≤ F ≤ 35 N
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Meet Standards

European directive 2011/65/EU
EN 50117-5

Electrical characteristics

Impedance	75 ± 3 Ω
Capacitance	< 60 pF/m

Max DC Resistance

Inner conductor	18 Ω/km
Outer conductor	45 Ω/km

Propagation velocity ratio.	84%
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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	Attenuation dB/100m
5	1.5
50	4.3
100	5.9
200	8.4
400	12.0
800	17.5
862	18.3
950	19.2
1350	23.3
1750	27.0
2150	30.6
3000	36.8

Return loss

Frequency MHz	Return loss dB
[5 - 30]	> 23
[30 - 470]	> 23
[470 - 862]	> 20
[862 - 1000]	> 18

Screening attenuation

Class	A
Attenuation 30-1000MHz	≥85 dB

Thermal characteristics

Max rated temperature	80°C
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Packaging

-P1 : 100 m / elbaC black plastic
-R2 : 250 m / Easy reel box
-W5 : 500 m / Wooden drum

Notes