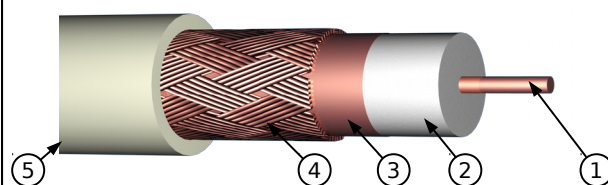



DIPROTEL
 Distribución de Telecomunicaciones
 Iluminación y Electricidad

 OBDULIA RAMOS BECERRIL - NIF 09312307K
 C/ Acero, 26. 47012 - VALLADOLID
 ☎ 983 21 93 11
 Móvil: 609 936 832 (Dul) / 696 217 841 (José Luis)
 ✉ diprotel@diprotel.net • www.diprotel.net


Construction

Inner conductor ①

Material	Annealed copper
Diameter	$\varnothing 1.13 \pm 0.02$ mm

Dielectric ②

Material	Gas injection PE
Color	Natural
Diameter	$\varnothing 4.85 \pm 0.20$ mm

Outer conductor

1st Layer ③

Material	Copper / PET tape
Coverage	$\geq 115\%$

2nd Layer ④

Material	Copper Clad Aluminum
Braiding	16 x (7 x $\varnothing 0.12 \pm 0.008$ mm)
Coverage	75%

Sheath ⑤

Material	PVC White
Diameter	$\varnothing 6.80 \pm 0.20$ mm

Mass 44 kg/km

Marking on sheath

 Printing
 with XXX quantity in meter still
 available per reel
 DDDDD : Date code
 «EN 50117-5 17VRtC 1.13/4.85
 Class A+ - 3GHz - **CE** - elbaC
 100161 - DDDDD - XXX m»

Color / Process Yellow / Ink jet

Step 1 m

Stripping force / 50 mm

 Dielectric $15 \text{ N} \leq F \leq 35 \text{ N}$

Meet Standards

 EN 50117-5
 European directive 2011/65/EU

Electrical characteristics

Impedance $75 \pm 3 \Omega$
Capacitance $< 60 \text{ pF/m}$

Max DC resistance

 Inner conductor $1.8 \Omega/100\text{m}$

 Outer conductor $2.5 \Omega/100\text{m}$
Propagation velocity ratio 84%

Rated voltage 30 V

Insulation resistance 20°C $> 500 \text{ M}\Omega/\text{km}$

Longitudinal attenuation

Frequency MHz	Attenuation dB/100m
5	1.05
50	3.86
100	5.51
200	7.84
400	11.23
800	16.16
862	16.84
950	17.74
1350	21.38
1750	24.62
2150	27.67
3000	33.31

Return loss

Frequency MHz	Return loss dB
[5 - 30]	> 26
[30 - 470]	> 25
[470 - 1000]	> 23
[1000 - 2150]	> 23

Screening attenuation

Class	A+
Attenuation 30-1000MHz	$\geq 100 \text{ dB}$
Attenuation 1000-3000MHz	$\geq 95 \text{ dB}$

Thermal characteristics

Rated Temperature 80°C

Packaging

 -P1 : 100 m / carton reel
 -R2 : 250 m / Easy reel box
 -W5 : 500 m / wooden drum

Notes