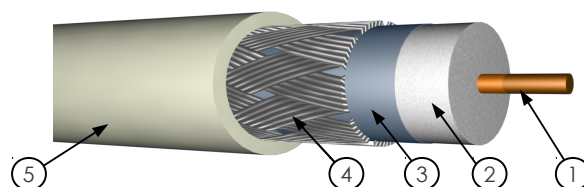



DIPROTEL
 Distribución de Telecomunicaciones
 Iluminación y Electricidad

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


Construction

Inner conductor

Material	Copper Clad Steel 21%
Diameter	$\varnothing 1.13 \pm 0.02$ mm

Dielectric

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

Outer conductor

1st Layer

Material	Alu/Polyester/Alu Tape
Coverage	$\geq 105\%$

2nd Layer

Material	Aluminum Alloy Wire
Braiding	16 x (3 x $\varnothing 0.12$ mm)
Coverage	35%

Sheath

Material	PVC White
Diameter	$\varnothing 6.70 \pm 0.20$ mm

Mass	40 kg/km
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Marking on sheath

Printing with XXX quantity in meter still available per reel DDDDD : Date code	« 17VA1C A 3GHz - DDDDD - XXX m »
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Color / Process	Yellow / Inkjet
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Step	1 m
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Stripping force / 50 mm

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

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

Max DC resistance

Inner conductor	$8.7 \Omega/100\text{m}$
Outer conductor	$6.0 \Omega/100\text{m}$

Propagation velocity ratio	84%
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Rated voltage	30 V
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Insulation resistance 20°C	$> 500 \text{ M}\Omega/\text{km}$
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Longitudinal attenuation

Frequency MHz	Max 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
1000	19.8

Return loss

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

Thermal characteristics

Max rated temperature	80°C
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Packaging

-C1 : 100 m / elbaC carton reel
 -R2 : 250 m / Easy reel box
 -W5 : 500 m / Wooden drum

Notes