



## T100plus 16 VRtC coaxial cable Eca Euroclass

RG-6 coaxial cable with both conductors made of copper (Cu/Cu), double shielded, and anti-migrating film. A 16 VRtC cable with PVC sheath.

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<b>Ref.</b>	2141
<b>Logical ref.</b>	KK1148
<b>EAN13</b>	8424450021415

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### Other features

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<b>Colour</b>	White
<b>Length</b>	100.00 m

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### Packaging info

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<b>Reel</b>	100 m
<b>Box</b>	500 m
<b>Pallet</b>	6000 m

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### Physical data

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<b>Net weight</b>	47.00 g
<b>Gross weight</b>	47.00 g
<b>Width</b>	8.00 mm
<b>Height</b>	1,000.00 mm
<b>Depth</b>	8.00 mm
<b>Main product weight</b>	44.00 g

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### Highlights

- Copper conductors
- Eca Euroclass
- The anti-migrating film prevents sheath's additive agents and humidity migration to the inner cable, thus avoiding deterioration in the characteristics

## Main features

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- White-colour external PVC sheath
- 75 Ohm characteristic impedance
- 100 m plastic reel

## Discover

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### Double-shielded Class B coaxial cable

They provide two shielding layers and belong in EN 50117 standard Class B, according to their structural properties:

- For 5 MHz - 30 MHz => TI < 15 mΩ/m
- For 30 MHz - 1000 MHz => SA > 75 dB
- For 1000 MHz - 2000 MHz => SA > 65 dB
- For 2000 MHz - 3000 MHz => SA > 55 dB

Where the transfer impedance (TI) defines how effective the shielding is at low frequencies, while the shielding attenuation (SA) defines it in the 30 MHz-to-3000 MHz range.

## Mounting details

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### DETAIL VIEW OF THE COAXIAL CABLE SECTION

**A**-Inner conductor

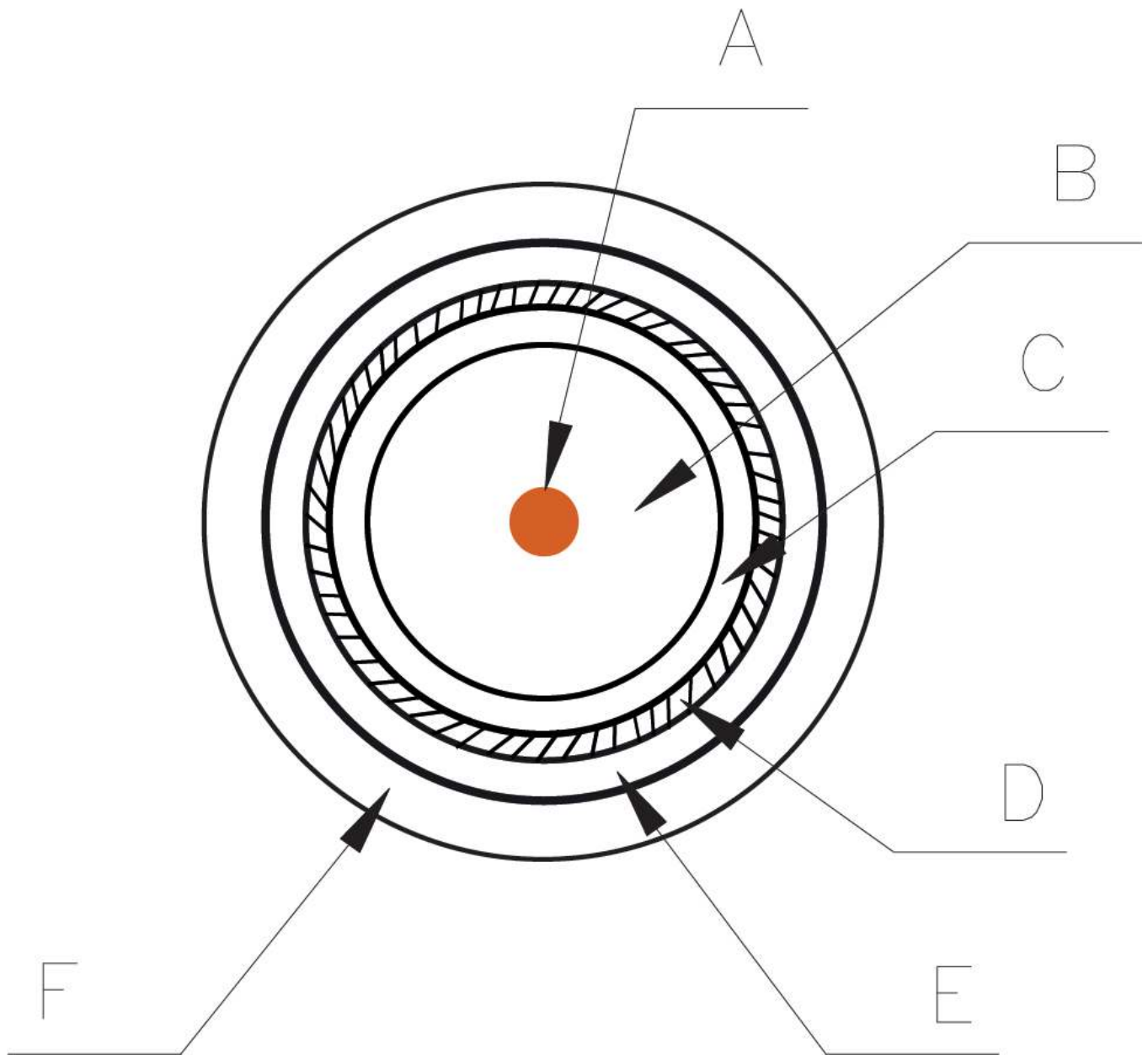
**B**-Dielectric

**C**-Foil

**D**-Braid

**E**- Anti-migrating film

## F-Outer sheath



## Technical specifications : Ref. 2141

Model		T-100plus																			
Cable type		RG-6																			
Standard		EN 50117-9-2																			
Euroclass		Eca																			
Class		B																			
Inner conductor Diameter	mm	1.13																			
Inner conductor Material		Copper (Cu)																			
Inner conductor Resistance	Ω/km	< 20																			
Dielectric Diameter	mm	4.8																			
Dielectric Material		Foam polyethylene (PEE)																			
Dielectric Color		White RAL 9003																			
Overlapped foil		Copper + Polyester																			
Braid Material		Copper																			
Braid dimensions: No. of carriers (Nc)		16																			
Braid Dimensions: No. of strands per carrier (Ns)		4																			
Braid Dimensions: strand diameter (Ø)	mm	0.1																			
Braid Resistance	Ω/km	< 20																			
Braid Coverage	%	38																			
2nd foil		No																			
2nd foil glued to the dielectric		No																			
Petrol-jelly		No																			
Anti-migrating film		Yes																			
Outer sheath Diameter	mm	6.6																			
Outer sheath Material		PVC																			
Minimum bending radius	mm	33																			
Transfer impedance (5-30MHz)	mΩ/m	< 15																			
1GHz shielding	dB	> 75																			
Spark Test	Vac	3000																			
Capacitance	pF/m	55																			
Impedance	Ω	75																			
Velocity ratio	%	82																			
Operating temperature	°C	-30 ... 70																			
Frequencies		5 MHz	47 MHz	54 MHz	90 MHz	200 MHz	500 MHz	698 MHz	800 MHz	862 MHz	950 MHz	1000 MHz	1220 MHz	1350 MHz	1750 MHz	2050 MHz	2150 MHz	2200 MHz	2300 MHz	2400 MHz	3000 MHz
Attenuation (typ.)	dB/m	0.01	0.04	0.04	0.05	0.08	0.13	0.15	0.16	0.17	0.18	0.19	0.2	0.22	0.25	0.26	0.27	0.28	0.29	0.3	0.33
Return losses (min.)	dB	23	23	23	23	23	20	20	20	20	20	20	18	18	18	16	16	16	16	16	16