# T100plus 16RtC coaxial cable Dca Euroclass, A Class shielded



RG-6 coaxial cable with both conductors made of copper (Cu/Cu) and excellent braid coverage (75%). Double shielded, equipped with an anti-migrating film. A 16RtC cable with LSFH (Low Smoke, Free of Halogen) sheath.

| | |
|---|---|
| Ref. | 214122 |
| EAN13 | 8424450212431 |

| Other features | |
|---|---|
| Colour | White |
| Length | 250.00 m |

| Packaging info | |
|---|---|
| Reel | 250 m |
| Pallet | 6000 m |

| Physical data | |
|---|---|
| Net weight | 48.00 g |
| Gross volume | 0.10 dm³ |
| Gross weight | 48.00 g |
| Width | 1,000.00 mm |
| Height | 7.00 mm |
| Depth | 7.00 mm |
| Main product weight | 47.00 g |

## Highlights

- Copper conductors
- Class A shielded
- Dca-s2,d2,a1 Euroclass
- The anti-migrating film prevents sheath's additive agents and humidity migration to the inner cable, thus avoiding deterioration in the characteristics
- Outer sheath made of LSFH, for indoor use, recommended for high-traffic environments
- 75 Ohm characteristic impedance
- Available in reels of different lengths

## Discover

**Double-shielded Class A coaxial cable**

With 2 shielding layers, these cables provide an outstanding shielding thanks to a high-coverage braid.

They belong in EN 50117 standard Class A, according to their structural properties:

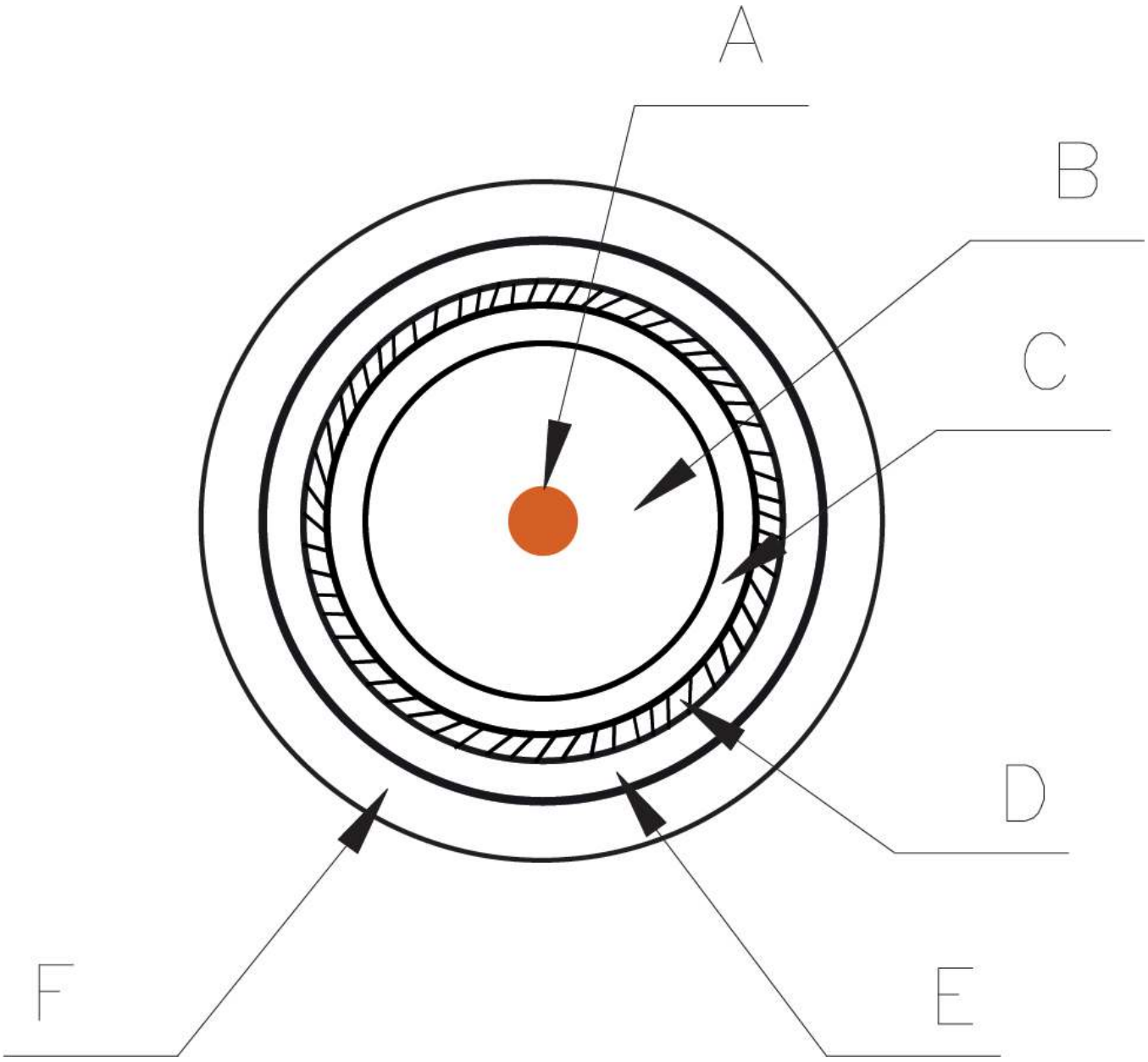
- For 5 MHz - 30 MHz => TI < 5 mΩ/m
- For 30 MHz - 1000 MHz => SA > 85 dB
- For 1000 MHz - 2000 MHz => SA > 75 dB
- For 2000 MHz - 3000 MHz => SA > 65 dB

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

DETAIL VIEW OF THE COAXIAL CABLE SECTION

A-Inner conductor
B-Dielectric
C-Foil
D-Braid
E- Anti-migrating film
F-Outer sheath


A
B
C
D
E
F

Televes®

# **Technical specifications** : Ref. 214122

| | | |
|---|---|---|
| **Model** | | T-100plus |
| **Cable type** | | RG-6 |
| **Standard** | | EN 50117-9-2 |
| **Euroclass** | | Dca |
| **Euroclass: Smoke Production** | | s2 |
| **Euroclass: Flaming droplets** | | d2 |
| **Euroclass: Acidity** | | a1 |
| **Class** | | A |
| **Inner conductor Diameter** | in | 0.044 |
| **Inner conductor Material** | | Copper (Cu) |
| **Inner conductor Resistance** | Ohm/km | < 20 |
| **Dielectric Diameter** | in | 0.189 |
| **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)** | | 8 |
| **Braid Dimensions: strand diameter (Ø)** | in | 0.004 |
| **Braid Resistance** | Ohm/km | < 12 |
| **Braid Coverage** | % | 73 |
| **2nd foil** | | No |
| **2nd foil glued to the dielectric** | | No |
| **Petrol-Jelly** | | No |
| **Anti-migrating film** | | Yes |
| **Outer sheath Diameter** | in | 0.26 |
| **Outer sheath Material** | | LSFH |
| **Minimum bending radius** | in | 1.299 |
| **Transfer impedance (5-30MHz)** | mΩ /m | < 5 |
| **1GHz shielding** | dB | > 85 |
| **Spark Test** | Vac | 3000 |
| **Capacitance** | pF/m | 55 |
| **Impedance** | Ω | 75 |
| **Velocity ratio** | % | 82 |
| **Operating temperature** | °F | -13 ... 158 |
| **Atenuacion 5MHz** | dB/m | 0.01 |
| **Atenuacion 47MHz** | dB/m | 0.04 |
| **Atenuacion 54MHz** | dB/m | 0.04 |
| **Atenuacion 90MHz** | dB/m | 0.05 |
| **Atenuacion 200MHz** | dB/m | 0.08 |
| **Atenuacion 500MHz** | dB/m | 0.13 |
| **Atenuacion 698MHz** | dB/m | 0.15 |
| **Atenuacion 800MHz** | dB/m | 0.16 |
| **Atenuacion 862MHz** | dB/m | 0.17 |
| **Atenuacion 950MHz** | dB/m | 0.18 |
| **Atenuacion 1000MHz** | dB/m | 0.19 |
| **Atenuacion 1220MHz** | dB/m | 0.2 |
| **Atenuacion 1350MHz** | dB/m | 0.22 |
| **Atenuacion 1750MHz** | dB/m | 0.25 |
| **Atenuacion 2050MHz** | dB/m | 0.26 |
| **Atenuacion 2150MHz** | dB/m | 0.27 |
| **Atenuacion 2200MHz** | dB/m | 0.28 |
| **Atenuacion 2300MHz** | dB/m | 0.29 |
| **Atenuacion 2400MHz** | dB/m | 0.3 |
| **Atenuacion 3000MHz** | dB/m | 0.33 |
| **Return losses 5MHz** | dB | 23 |
| **Return losses 47MHz** | dB | 23 |
| **Return losses 54MHz** | dB | 23 |
| **Return losses 90MHz** | dB | 23 |
| **Return losses 200MHz** | dB | 23 |
| **Return losses 500MHz** | dB | 20 |
| **Return losses 698MHz** | dB | 20 |
| **Return losses 800MHz** | dB | 20 |
| **Return losses 862MHz** | dB | 20 |
| **Return losses 950MHz** | dB | 20 |
| **Return losses 1000MHz** | dB | 20 |
| **Return losses 1220MHz** | dB | 18 |
| **Return losses 1350MHz** | dB | 18 |
| **Return losses 1750MHz** | dB | 18 |
| **Return losses 2050MHz** | dB | 16 |
| **Return losses 2150MHz** | dB | 16 |
| **Return losses 2200MHz** | dB | 16 |
| **Return losses 2300MHz** | dB | 16 |
| **Return losses 2400MHz** | dB | 16 |
| **Return losses 3000MHz** | dB | 16 |