

T100 16 VATc coaxial cable Eca Euroclass, A Class shielded

RG-6 coaxial cable with copper inner conductor and aluminium braid (Cu/Al), and an excellent braid coverage (77%). A 16 VATc cable with double shielded and PVC sheath.

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|--------------|---------------|
| Ref. | 212604 |
| EAN13 | 8424450151693 |

Other features

| | |
|---------------|----------|
| Colour | White |
| Length | 250.00 m |

Packaging info

| | |
|---------------|--------|
| Box | 250 m |
| Pallet | 4500 m |

Physical data

| | |
|----------------------------|-------------|
| Net weight | 44.00 g |
| Gross weight | 44.00 g |
| Width | 6.00 mm |
| Height | 1,000.00 mm |
| Depth | 6.00 mm |
| Main product weight | 39.00 g |

Highlights

- Copper inner conductor and aluminium braid
- Class A shielded
- Eca Euroclass

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

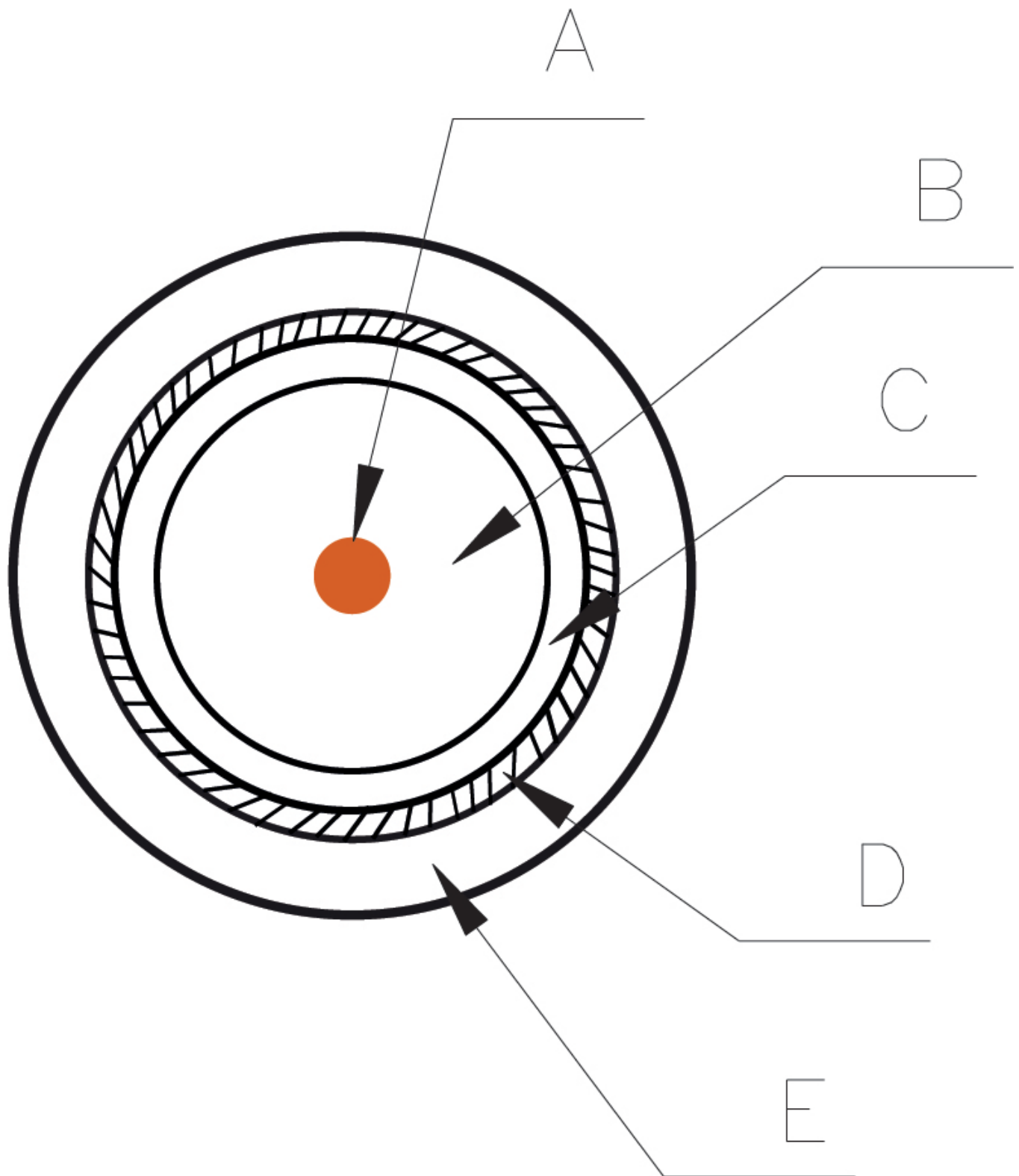
A-Inner conductor

B-Dielectric

C-Foil

D-Braid

E-Outer sheath



Technical specifications : Ref. 212604

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|---|------|-----------------------------------|--------|--------|--------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Model | | T-100 | | | | | | | | | | | | | | | | | | | |
| Cable type | | RG-6 | | | | | | | | | | | | | | | | | | | |
| Standard | | EN 50117-9-2 | | | | | | | | | | | | | | | | | | | |
| Euroclass | | Eca | | | | | | | | | | | | | | | | | | | |
| Class | | A | | | | | | | | | | | | | | | | | | | |
| Inner conductor Diameter | mm | 1.13 | | | | | | | | | | | | | | | | | | | |
| Inner conductor Material | | Copper (Cu) | | | | | | | | | | | | | | | | | | | |
| Inner conductor Resistance | Ω/km | < 20 | | | | | | | | | | | | | | | | | | | |
| Dielectric Diameter | mm | 4.7 | | | | | | | | | | | | | | | | | | | |
| Dielectric Material | | Foam polyethylene (PEE) | | | | | | | | | | | | | | | | | | | |
| Dielectric Color | | White RAL 9003 | | | | | | | | | | | | | | | | | | | |
| Overlapped foil | | Aluminium + Polyester + Aluminium | | | | | | | | | | | | | | | | | | | |
| Braid Material | | Aluminium | | | | | | | | | | | | | | | | | | | |
| Braid dimensions: No. of carriers (Nc) | | 16 | | | | | | | | | | | | | | | | | | | |
| Braid Dimensions: No. of strands per carrier (Ns) | | 8 | | | | | | | | | | | | | | | | | | | |
| Braid Dimensions: strand diameter (Ø) | mm | 0.12 | | | | | | | | | | | | | | | | | | | |
| Braid Resistance | Ω/km | < 27 | | | | | | | | | | | | | | | | | | | |
| Braid Coverage | % | 77 | | | | | | | | | | | | | | | | | | | |
| 2nd foil | | No | | | | | | | | | | | | | | | | | | | |
| 2nd foil glued to the dielectric | | No | | | | | | | | | | | | | | | | | | | |
| Petrol-jelly | | No | | | | | | | | | | | | | | | | | | | |
| Anti-migrating film | | No | | | | | | | | | | | | | | | | | | | |
| Outer sheath Diameter | mm | 6.6 | | | | | | | | | | | | | | | | | | | |
| Outer sheath Material | | PVC | | | | | | | | | | | | | | | | | | | |
| Minimum bending radius | mm | 33 | | | | | | | | | | | | | | | | | | | |
| Transfer impedance (5-30MHz) | mΩ/m | < 5 | | | | | | | | | | | | | | | | | | | |
| 1GHz shielding | dB | > 85 | | | | | | | | | | | | | | | | | | | |
| Spark Test | Vac | 3000 | | | | | | | | | | | | | | | | | | | |
| Capacitance | pF/m | 52 | | | | | | | | | | | | | | | | | | | |
| Impedance | Ω | 75 | | | | | | | | | | | | | | | | | | | |
| Velocity ratio | % | 85 | | | | | | | | | | | | | | | | | | | |
| 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 | 0.02 | 0.05 | 0.05 | 0.06 | 0.08 | 0.14 | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 | 0.21 | 0.23 | 0.25 | 0.28 | 0.29 | 0.29 | 0.3 | 0.31 | 0.34 |
| Return losses (min.) | dB | 23 | 23 | 23 | 23 | 23 | 20 | 20 | 20 | 20 | 20 | 20 | 18 | 18 | 18 | 16 | 16 | 16 | 16 | 16 | 16 |