

# SK2003plus Coaxial cable, 18 AtC Dca Euroclass, A+ Class shielded

RG-6 coaxial cable with both conductors made of copper (Cu/Cu) and excellent braid coverage (82%). Triple shielded (TSH) cable, equipped with a second foil for extra shielded. An 18AtC cable with UV-resistant LSFH (Low Smoke, Free of Halogen) sheath.

| | |
|---|---|
| Ref. | 414003 |
| Logical ref. | SK2003/250PLUS |
| EAN13 | 8424450179338 |

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

| Packaging info | |
|---|---|
| Reel | 250 m |
| Pallet | 60000 m |

| Physical data | |
|---|---|
| Net weight | 52.00 g |
| Gross volume | 0.10 dm³ |
| Gross weight | 52.00 g |
| Width | 6.00 mm |
| Height | 1,000.00 mm |
| Depth | 6.00 mm |
| Main product weight | 49.00 g |

## Highlights

- Copper conductors
- Class A+ shielded
- Dca-s2,d2,a2 Euroclass
- External UV-resistant LSFH sheath, black colour, recommended for outdoor rooftop use
- 75 Ohm characteristic impedance
- Available in reels of different lengths

## Discover

**Class A+ Trishield (TSH) coaxial cable**

With three shielding layers (Trishield), this cables provide the highest immunity to interference thanks to its very high shielding. Recommended in cases of high electromagnetic noise levels.

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

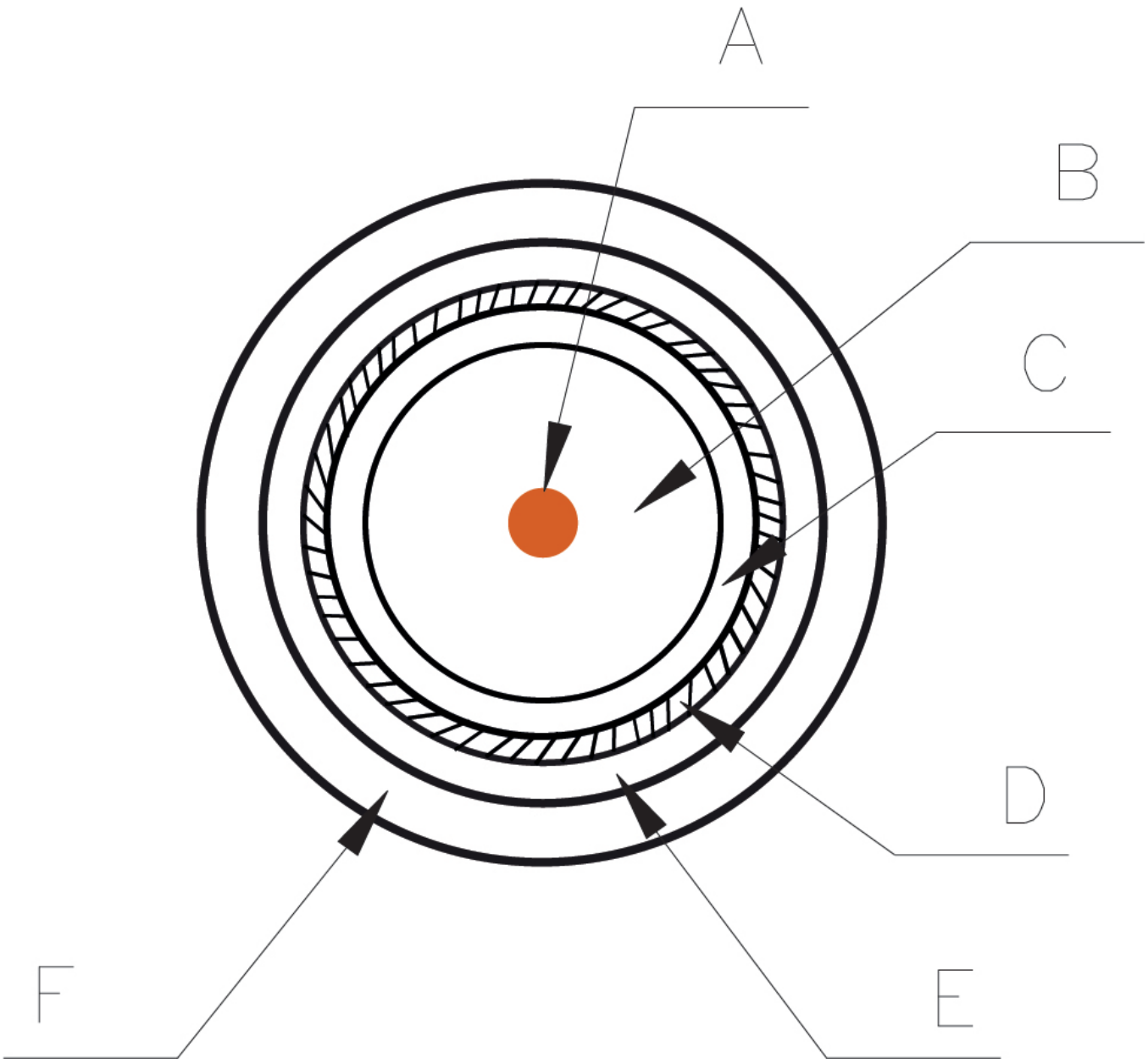
- For 5 MHz - 30 MHz => TI < 2.5 mΩ/m
- For 30 MHz - 1000 MHz => SA > 95 dB
- For 1000 MHz - 2000 MHz => SA > 85 dB
- For 2000 MHz - 3000 MHz => SA > 75 dB

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-Second foil
F-Outer sheath


A
B
C
D
E
F

Televes®

# **Technical specifications** : Ref. 414003

| | | |
|---|---|---|
| **Model** | | SK2003plus |
| **Cable type** | | RG-6 |
| **Standard** | | EN 50117-10-2 |
| **Euroclass** | | Dca |
| **Euroclass: Smoke Production** | | s2 |
| **Euroclass: Flaming droplets** | | d2 |
| **Euroclass: Acidity** | | a2 |
| **Class** | | A+ |
| **Inner conductor Diameter** | in | 0.04 |
| **Inner conductor Material** | | Copper (Cu) |
| **Inner conductor Resistance** | Ohm/km | < 22 |
| **Dielectric Diameter** | in | 0.181 |
| **Dielectric Material** | | Foam polyethylene (PEE) |
| **Dielectric Color** | | Orange RAL 1007 |
| **Overlapped foil** | | Aluminium + Polyester |
| **Braid Material** | | Tinned copper (CuSn) |
| **Braid dimensions: No. of carriers (Nc)** | | 24 |
| **Braid Dimensions: No. of strands per carrier (Ns)** | | 7 |
| **Braid Dimensions: strand diameter (Ø)** | in | 0.004 |
| **Braid Resistance** | Ohm/km | < 10.5 |
| **Braid Coverage** | % | 82 |
| **2nd foil** | | Yes |
| **2nd foil glued to the dielectric** | | No |
| **Petrol-Jelly** | | No |
| **Anti-migrating film** | | No |
| **Outer sheath Diameter** | in | 0.264 |
| **Outer sheath Material** | | LSFH, UV-resistant |
| **Minimum bending radius** | in | 1.319 |
| **Transfer impedance (5-30MHz)** | mΩ /m | < 2.5 |
| **1GHz shielding** | dB | > 95 |
| **Spark Test** | Vac | 3000 |
| **Capacitance** | pF/m | 54 |
| **Impedance** | Ω | 75 |
| **Velocity ratio** | % | 84 |
| **Operating temperature** | °F | -13 ... 158 |
| **Atenuacion 5MHz** | dB/m | 0.02 |
| **Atenuacion 47MHz** | dB/m | 0.05 |
| **Atenuacion 54MHz** | dB/m | 0.05 |
| **Atenuacion 90MHz** | dB/m | 0.06 |
| **Atenuacion 200MHz** | dB/m | 0.09 |
| **Atenuacion 500MHz** | dB/m | 0.14 |
| **Atenuacion 698MHz** | dB/m | 0.17 |
| **Atenuacion 800MHz** | dB/m | 0.18 |
| **Atenuacion 862MHz** | dB/m | 0.19 |
| **Atenuacion 950MHz** | dB/m | 0.2 |
| **Atenuacion 1000MHz** | dB/m | 0.21 |
| **Atenuacion 1220MHz** | dB/m | 0.23 |
| **Atenuacion 1350MHz** | dB/m | 0.25 |
| **Atenuacion 1750MHz** | dB/m | 0.28 |
| **Atenuacion 2050MHz** | dB/m | 0.3 |
| **Atenuacion 2150MHz** | dB/m | 0.31 |
| **Atenuacion 2200MHz** | dB/m | 0.32 |
| **Atenuacion 2300MHz** | dB/m | 0.32 |
| **Atenuacion 2400MHz** | dB/m | 0.33 |
| **Atenuacion 3000MHz** | dB/m | 0.36 |
| **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 | 18 |
| **Return losses 1000MHz** | dB | 18 |
| **Return losses 1220MHz** | dB | 18 |
| **Return losses 1350MHz** | dB | 18 |
| **Return losses 1750MHz** | dB | 18 |
| **Return losses 2050MHz** | dB | 18 |
| **Return losses 2150MHz** | dB | 18 |
| **Return losses 2200MHz** | dB | 18 |
| **Return losses 2300MHz** | dB | 18 |
| **Return losses 2400MHz** | dB | 18 |
| **Return losses 3000MHz** | dB | 18 |