T100 16 PAtC coaxial cable Fca 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 PAtC cable with double shielded and polyethylene (PE) sheath.

Ref.	212501
EAN13	8424450176665

Other features	
Colour	Black
Length	100.00 m

Packaging info	
Reel	100 m
Box	500 m
Pallet	6000 m

Physical data	
Net weight	33.00 g
Gross volume	0.10 dm³
Gross weight	33.00 g
Width	6.00 mm
Height	1,000.00 mm
Depth	6.00 mm
Main product weight	33.00 g

Highlights

- Copper inner conductor and aluminium braid
- Class A shielded
- Fca Euroclass
- Black-colour external PE sheath, recommended for outdoor use
- 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:

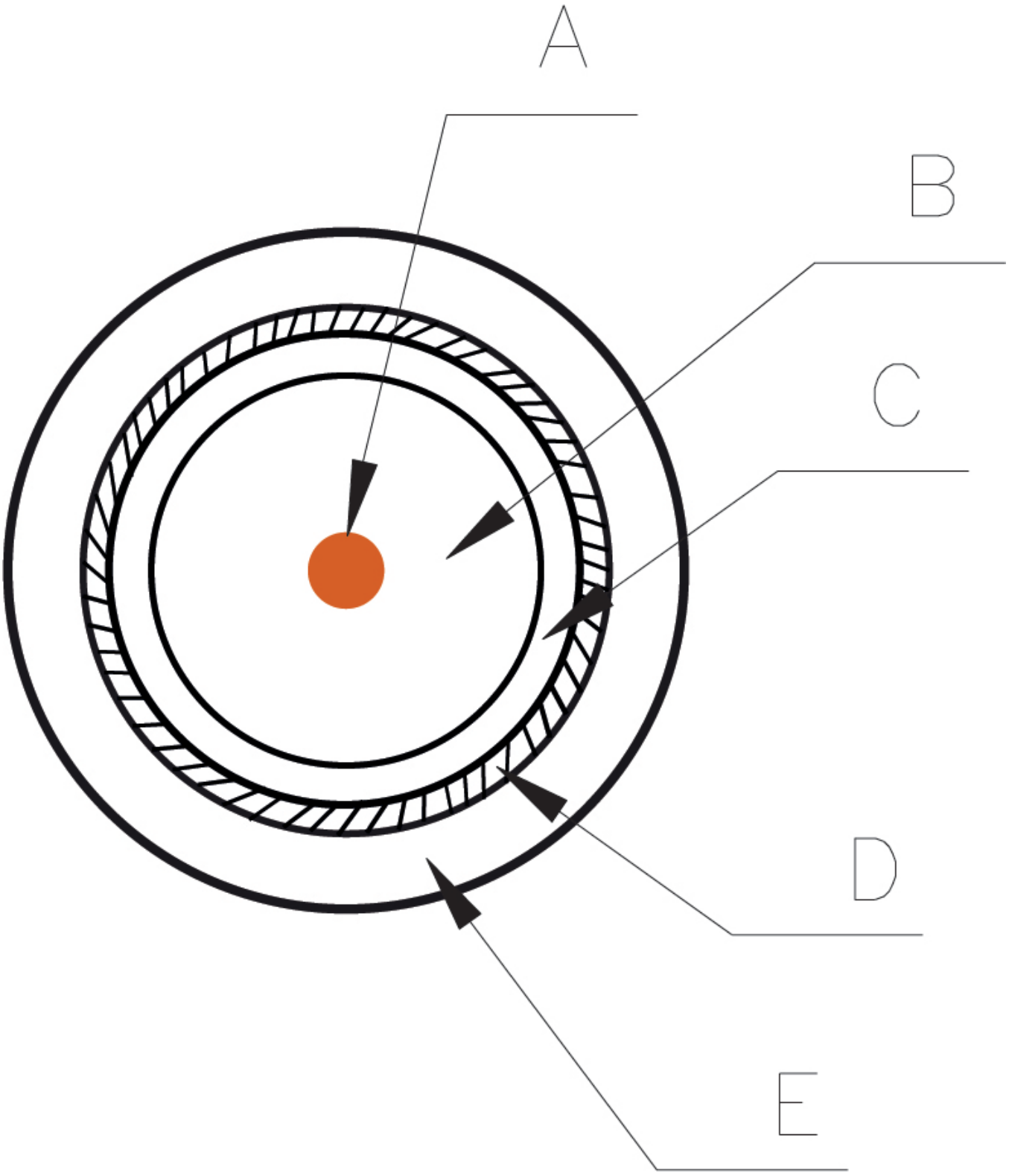
- For 5 MHz - 30 MHz => TI < 5 mΩ/m
- For 30 MHz - 1000 MHz => SA > 85 dB
- For 1000 MHz - 2000 MHz => SA > 75 dB
- For 2000 MHz - 3000 MHz => SA > 65 dB

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-Outer sheath


A
B
C
D
E

Televes®

Technical specifications : Ref. 212501

Model		T-100
Cable type		RG-6
Standard		EN 50117-10-2
Euroclass		Fca
Class		A
Inner conductor Diameter	in	0.044
Inner conductor Material		Copper (Cu)
Inner conductor Resistance	Ohm/km	< 20
Dielectric Diameter	in	0.185
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)	in	0.005
Braid Resistance	Ohm/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	in	0.26
Outer sheath Material		PE
Minimum bending radius	in	1.299
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	°F	-40 ... 176
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	0.08
Atenuacion 500MHz	dB/m	0.14
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	0.21
Atenuacion 1350MHz	dB/m	0.23
Atenuacion 1750MHz	dB/m	0.25
Atenuacion 2050MHz	dB/m	0.28
Atenuacion 2150MHz	dB/m	0.29
Atenuacion 2200MHz	dB/m	0.29
Atenuacion 2300MHz	dB/m	0.3
Atenuacion 2400MHz	dB/m	0.31
Atenuacion 3000MHz	dB/m	0.34
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