Televes reserves the right to modify the product

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 PE sheath.

Ref.212501	100m (plastic reel)	
	Art.Nr	
	EAN13	8424450176665
Ref.212502	250m (wooden reel)	
	Art.Nr	
	EAN13	8424450166291

Highlights

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

Main features

- Black-colour external PE sheath
- 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 5 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.

Technical specifications

Model		T-100																							
Cable type		RG-6																							
Standard		EN 50117-2-5																							
Euroclass		Fca																							
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		PE																							
Outer sheath Thickness	mm	0.3																							
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	-40 ... 80																							
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			