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T100plus 16 VRtC coaxial cable Eca Euroclass

RG-6 coaxial cable with both conductors made of copper (Cu/Cu), double shielded, and anti-migrating film. A 16 VRtC cable with PVC sheath.

Ref.2141

Art.Nr	KK1148
EAN13	8424450021415

Highlights

- Copper conductors
- Eca Euroclass
- The anti-migrating film prevents sheath's additive agents and humidity migration to the inner cable, thus avoiding deterioration in the characteristics

Main features

- White-colour external PVC sheath
- 75 Ohm characteristic impedance
- 100 m plastic reel

Discover

Double-shielded Class B coaxial cable

They provide two shielding layers and belong in EN 50117 standard Class B, according to their structural properties:

- For 5 MHz - 30 MHz => TI < 15 mΩ/m
- For 30 MHz - 1000 MHz => SA > 75 dB
- For 1000 MHz - 2000 MHz => SA > 65 dB

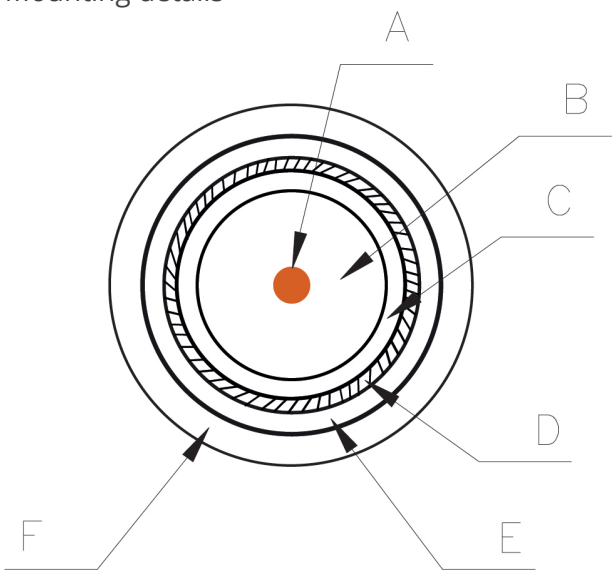
- For 2000 MHz - 3000 MHz => SA > 55 dB

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.

Additional information

(Click to see the picture)

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

Technical specifications

Model		T-100plus
Cable type		RG-6
Standard		EN 50117-9-2
Euroclass		Eca
Class		B
Inner conductor Diameter	mm	1.13
Inner conductor Material		Copper (Cu)
Inner conductor Resistance	Ω/km	< 20
Dielectric Diameter	mm	4.8
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)		4
Braid Dimensions: strand diameter (Ø)	mm	0.1
Braid Resistance	Ω/km	< 20
Braid Coverage	%	38
2nd foil		No
2nd foil glued to the dielectric		No
Petrol-Jelly		No
Anti-migrating film		Yes
Outer sheath Diameter	mm	6.6
Outer sheath Material		PVC
Minimum bending radius	mm	33
Transfer impedance (5-30MHz)	mΩ/m	< 15
1GHz shielding	dB	> 75
Spark Test	Vac	3000
Capacitance	pF/m	55
Impedance	Ω	75
Velocity ratio	%	82
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		0.01	0.04	0.04	0.05	0.08	0.13	0.15	0.16	0.17	0.18	0.19	0.2	0.22	0.25	0.26	0.27	0.28	0.29	0.3	0.33
Return losses (min.)	dB	23	23	23	23	23	20	20	20	20	20	20	18	18	18	16	16	16	16	16	16