

SK100plus 18 VAtC coaxial cable Eca Euroclass, A+ Class shielded

RG-6 coaxial cable with copper inner conductor and aluminium braid (Cu/Al), and an outstanding braid coverage (60%). Triple shielded (TSH) cable, equipped with a second foil for extra shielded. An 18 VAtC cable with Polyvinyl chloride (PVC) sheath.

Ref.	413601
Logical ref.	SK100PLUS
EAN13	8424450174173

Other features	
Colour	White
Length	100.00 m

Packaging info	
Reel	100 m
Box	500 m

Physical data	
Net weight	45.00 g
Gross volume	0.10 dm³
Gross weight	45.00 g
Width	6.00 mm
Height	1,000.00 mm
Depth	6.00 mm
Main product weight	41.00 g

Highlights

- Copper inner conductor and aluminium braid
- Class A+ shielded
- Eca Euroclass
- White-colour external PVC sheath, for indoor 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:

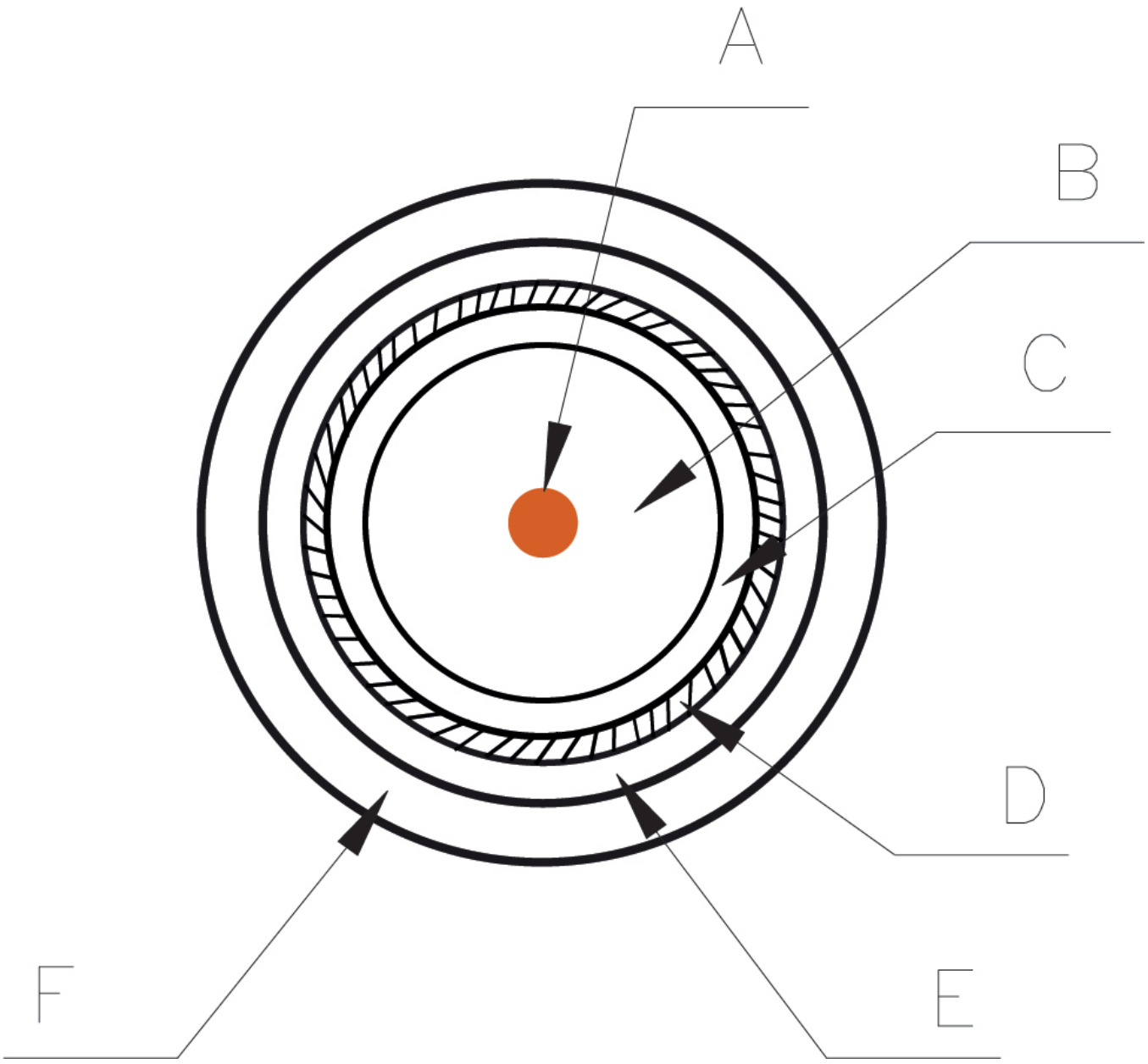
- For 5 MHz - 30 MHz => TI < 2.5 mΩ/m
- For 30 MHz - 1000 MHz => SA > 95 dB
- For 1000 MHz - 2000 MHz => SA > 85 dB
- For 2000 MHz - 3000 MHz => SA > 75 dB

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

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Technical specifications : Ref. 413601

Model		SK100plus
Cable type		RG-6
Standard		EN 50117-2-4
Euroclass		Eca
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		Aluminium
Braid dimensions: No. of carriers (Nc)		16
Braid Dimensions: No. of strands per carrier (Ns)		6
Braid Dimensions: strand diameter (Ø)	in	0.005
Braid Resistance	Ohm/km	< 22
Braid Coverage	%	60
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		PVC
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	53
Impedance	Ω	75
Velocity ratio	%	82
Operating temperature	°F	-22 ... 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	0.16
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	0.22
Atenuacion 1350MHz	dB/m	0.25
Atenuacion 1750MHz	dB/m	0.28
Atenuacion 2050MHz	dB/m	0.31
Atenuacion 2150MHz	dB/m	0.32
Atenuacion 2200MHz	dB/m	0.32
Atenuacion 2300MHz	dB/m	0.33
Atenuacion 2400MHz	dB/m	0.34
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	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