Televes



SK2020plus Coaxial cable, 18AtC B2ca 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 sheath.

Ref.	413911
Logical ref.	SK2020/250PLUS
EAN13	8424450191491

Other features

Colour	White
Length	250.00 m

Physical data

Net weight	53.00 g
Gross weight	53.00 g

Packing

Reel	250 m
Pallet	6000 m

Highlights

Copper conductors

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- Class A++ shielded
- B2ca-s1a,d1,a1 Euroclass: one of the top cable categories given its performance and fire resistance

Main features

- External UV-resistant LSFH sheath, white colour
- 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 < 0.9 m Ω /m
- For 30 MHz 1000 MHz => SA > 105 dB
- For 1000 MHz 2000 MHz => SA > 95 dB
- For 2000 MHz 3000 MHz => SA > 85 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

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DETAIL VIEW OF THE COAXIAL CABLE SECTION

A-Inner conductor

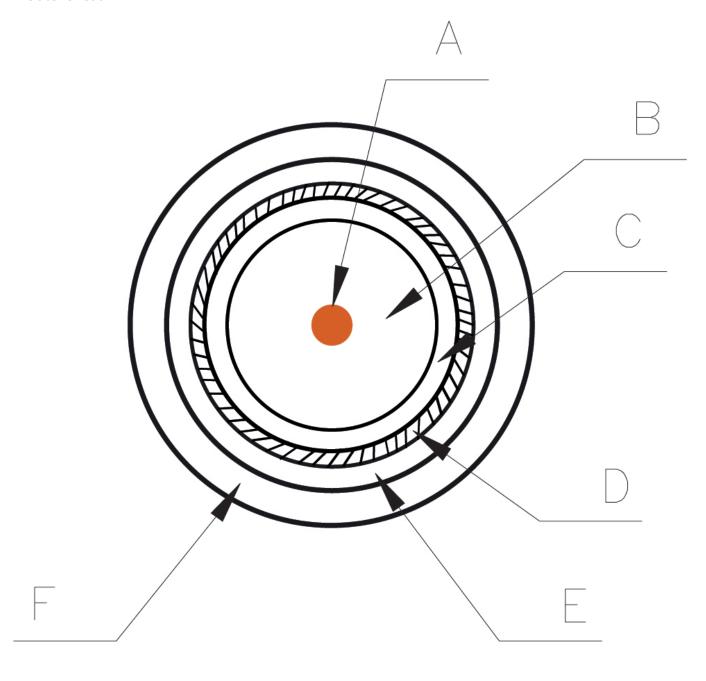
B-Dielectric

C-Foil

D-Braid

E-Second foil

F-Outer sheath





Technical specifications: Ref. 413911

Model											SK202	20plus									
Cable type			RG-6																		
Standard			EN 50117-9-2																		
Euroclass			B2ca																		
Euroclass: Smoke Production			s1a																		
Euroclass: Flaming droplets											d	1									
Euroclass: Acidity			a1																		
Class			A++																		
Inner conductor Diameter	mm		1.05																		
Inner conductor Material			Copper (Cu)																		
Inner conductor Resistance	Ω/km											22									
Dielectric Diameter	mm		4.65																		
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)																					
Braid Dimensions: strand diameter (Ø)	mm										0	.1									
Braid Resistance	Ω/km										< 1	0.5									
Braid Coverage	%										8	2									
2nd foil											Ye	es									
2nd foil glued to the dielectric											N	lo									
Petrol-Jelly											N	lo									
Anti-migrating film											N	lo									
Outer sheath Diameter	mm										6	.9									
Outer sheath Material										LS	FH. UV	-resista	nt								
Minimum bending radius	mm										34	1.5									
Transfer impedance (5-30MHz)	mΩ/m										<	0.9									
1GHz shielding	dB										> '	105									
Spark Test	Vac										30	00									
Capacitance	pF/m										5										
Impedance	Ω										7	5									
Velocity ratio	%		84																		
Operating temperature	°C	-25 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	
Attenuation (typ.)	dB/m	0.02	0.04	0.05	0.06	0.09	0.14	0.17	0.18	0.19	0.2	0.21	0.23	0.25	0.28	0.3	0.31	0.32	0.32		
Return losses (min.)	dB	23	23	23	23	23	20	20	20	20	18	18	18	18	18	18	18	18	18	18	18