

Triax KOKA cable for indoor use

KOKA 100 is a HiQ universal coaxial cable for TV broadcast in-house cabling.

The low attenuation, the optimised shielding and the high return loss predestine the cable for use of both SAT-IF, SMATV and CATV with returnpath applications. Transfer impedance less than 5 mΩ/m 5-30 MHz.

KOKA 80 premium quality cable for SAT-IF, SMATV and CATV without returnpath applications (not recommended).



Technical data on KOKA 100 (HiQ) and 80 indoor cable

TYPE			KOKA 100		KOKA 80	
			Double shielded		Double shielded	
Colour			White PVC	Grey LSZH	White PVC	Grey LSZH
Art. No.	Coil	100 m	150180	150193	150160	150173
	Reel	100 m	150181		150161	
	Reel	250 m	150182		150162	
	Drum	500 m				
	Drum (1000 feet)	305 m				
Centre conductor		Ø mm	1.13		1.02	
Centre conductor material			Cu blank		Cu blank	
Isolation		Ø mm	4.8		4.8	
Dielectric			PE foamed		PE foamed	
Screen			AL/PET/ Copolymer 25/12/25		AL/P/AL	
		µm			9/12/9	
Braid	- material		24x7x0.11 - CuSn		16x4x0.11 - CuSn	
	- construction	Ø mm	5.4		5.4	
	- coverage	%	80.1		> 38	
Screening attenuation		dB	105		83	
Anti migration foil		µm	12		12	
Outer sheath			PVC/LSZH		PVC/LSZH	
Minimum bending radius		Ø mm	35/70		35/70	
Diameter		Ø mm	6.8		6.8	
Application			Indoor		Indoor	
Electrical data						
Impedance		Ohm	75		75	
Capacitance		pF/m	52		52	
Velocity ratio		%	81		81	
Centre conductor dc resistance		Ohm/km	17.5		22.5	
Outer conductor dc resistance		Ohm/km	11.5		19.8	
Attenuation (at 20°C)						
@ 5 MHz		dB/100m	1.4		1.5	
@ 50 MHz		dB/100m	4.0		4.6	
@ 100 MHz		dB/100m	5.8		6.3	
@ 200 MHz		dB/100m	8.2		9.0	
@ 400 MHz		dB/100m	11.7		13.3	
@ 800 MHz		dB/100m	16.8		18.8	
@ 862 MHz		dB/100m	17.7		19.5	
@ 1000 MHz		dB/100m	19.0		21.1	
@ 1600 MHz		dB/100m	24.5		26.6	
@ 2150 MHz		dB/100m	29.0		30.8	
@ 2400 MHz		dB/100m	30.7		32.9	
Structural Return Loss (SRL)						
@ 5-470 MHz		dB	> 35.0		> 33.0	
@ 470-862 MHz		dB	> 28.0		> 26.0	
@ 862-2400 MHz		dB	> 24.0		> 22.0	
Approval						
EN 50117/CEI 46-1/CEI 12-15			Yes/Yes/Yes		Yes/Yes/Yes	