

TECHNICAL SPECIFICATION

Digital Coaxial Cable

APPLICATION

75 Ohm digital coaxial cable used in indoor application, HFC/CATV signal distribution.
Foamed-PE dielectric, stable impedance, high shielding performance.

STRUCTURAL SPECIFICATION

Inner conductor		Bare copper wire, diameter $1,13 \pm 0,01\text{mm}$
Dielectric		Physically foamed-PE, diameter $4,80 \pm 0,10\text{mm}$
Colour		Light blue
Outer Shield	1st. Tape	Al/PET, bonded, 25-12 μm
	1st. Braiding	Tinned copper wire, 24x7x0,10 mm, $\geq 80\%$ coverage
	2nd. Tape	Al/PET/Al, 9-12-9 μm
Sheath		PVC UV resistant, white RAL 9010, diameter $6,90 \pm 0,10\text{mm}$

MECHANICAL SPECIFICATION

Operating temperature	-40 °C to +70 °C
Installation temperature	-5 °C to +50 °C
Maximum pulling tension	120 N
Min. bending radius	
single/repeated	35/70 mm
Cable weight	ca. 52 kg/km

ELECTRICAL SPECIFICATION (at 20°C)

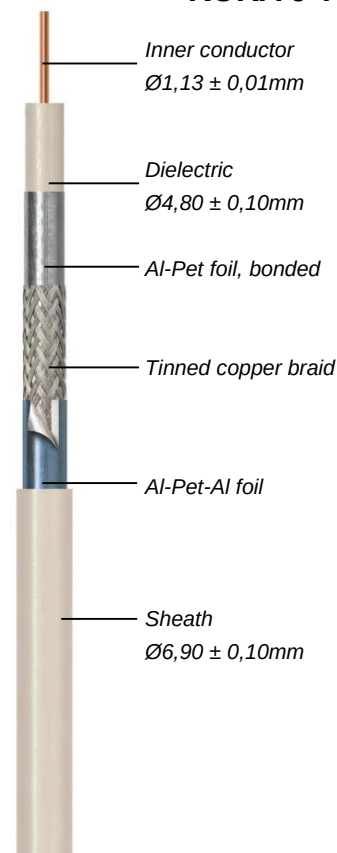
Characteristic impedance	$75 \pm 3 \text{ Ohm}$
Nominal capacitance	$52 \pm 1.5 \text{ pF/m}$
Velocity ratio	$0.85 \pm 3\%$
Sheath spark test	5 KV, ac
DC resistance (20 °C)	
Inner cond.	$< 18 \text{ Ohm/km}$
Screen	$< 11 \text{ Ohm/km}$

Attenuation (nominal $\pm 5\%$)		Screening attenuation		SRL	
5MHz	1.5 dB/100m	30-1000MHz	$> 110 \text{ dB}$	5-470MHz	$> 27 \text{ dB}$
50MHz	4.2 dB/100m	1000-2000MHz	$> 105 \text{ dB}$	470-1000MHz	$> 24 \text{ dB}$
100MHz	5.6 dB/100m	2000-3000MHz	$> 95 \text{ dB}$	1000-2000MHz	$> 18 \text{ dB}$
200MHz	8.0 dB/100m			2000-3000MHz	$> 16 \text{ dB}$
860MHz	17.2 dB/100m	Transfer impedance			
1000MHz	18.4 dB/100m				
1750MHz	25.1 dB/100m	5-30MHz	$< 0,9 \text{ mOhm/m}$		
2150MHz	28.2 dB/100m				
3000MHz	33.6 dB/100m				

CABLE MARKING

Colour	Light Grey
Height	2mm
Marking	KOKA 9 TS Kabel Keur Certified HIRSCHMANN MULTIMEDIA+lot no+WWYY+meter marking
Lenght marking	Every meter, 0-100m or 0-500m depending on packaging option Number indicates the length remaining on reel/drum

KOKA 9 TS



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