

TECHNICAL SPECIFICATION

Digital Coaxial Cable

KOKA 9 TS

APPLICATION

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

STRUCTURAL SPECIFICATION

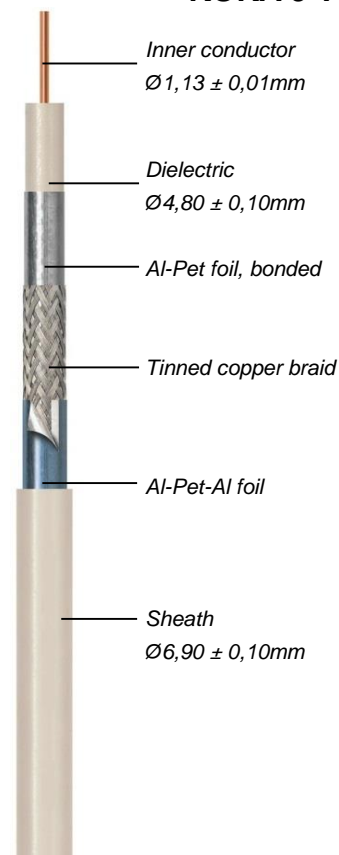
Inner conductor		Bare copper wire, diameter 1,13 ± 0,01mm
Dielectric		Physically foamed-PE, diameter 4,80 ± 0,10mm
Colour		Light blue
Outer Shield	1st. Tape	Al/PET, bonded, 25-12 µm
	1st. Braiding	Tinned copper wire, 24x7x0,10 mm, ≥ 80% coverage
	2nd. Tape	Al/PET/Al, 9-12-9 µm
Sheath		PVC UV resistant,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

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 ± 3 Ohm
Nominal capacitance	52 ± 1.5 pF/m
Velocity ratio	0.85 ± 3%
Sheath spark test	5 KV, ac
DC resistance (20 °C)	
Inner cond.	< 18 Ohm/km
Screen	< 11 Ohm/km



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

Date Doc.: 01-07-2013	Dep: HPS	Rev.Date :	Subject	Printdat.02-10-13
Hirschmann Multimedia B.V. Pampuslaan 170 1382 JS Weesp	Tel.: 0031(0)294462555	Type Nr.:KOKA 9 TS	Status: Preliminary	Page 1 of 1