

TECHNICAL SPECIFICATION



Digital Coaxial Cable

Coax 9 PVC

APPLICATION

75 Ohm digital coaxial cable used in indoor application, HFC/CATV signal distribution.

STRUCTURAL SPECIFICATION

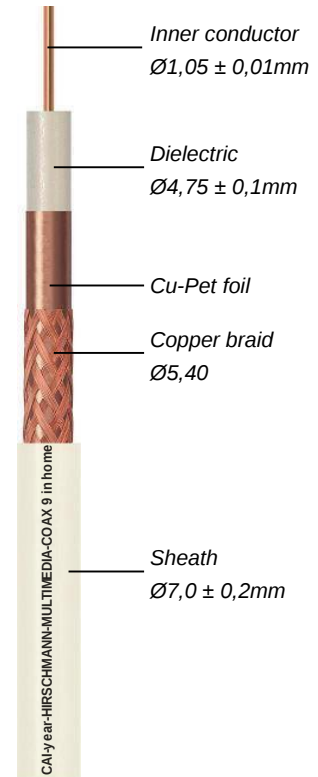
Inner conductor	Bare copper wire, diameter $1,05 \pm 0,01\text{mm}$
Dielectric	Foamed-PE with gas injection, diameter $4,75 \pm 0,1\text{mm}$
Outer Shield	Cu-Pet foil, bonded to dielectric, $12/20 \mu\text{m}$, $20 \times 0,05\text{mm}$
	Bare copper braid, 47% coverage, diameter 5,40
Sheath	PVC white RAL 9010, diameter $7,0 \pm 0,2\text{mm}$

MECHANICAL SPECIFICATION

Operating temperature	-40°C to $+70^\circ\text{C}$
Installation temperature	-5°C to $+50^\circ\text{C}$
Min. bending radius	35 mm
Cable weight	52 kg/km
Max.pulling tension	> 120 N

ELECTRICAL SPECIFICATION

Characteristic impedance	$75 \pm 2 \text{ Ohm}$
Nominal capacitance	54 pF/m
Velocity ratio	85%
DC resistance (20 °C)	
Inner cond.	< 21 Ohm/km
Screen	< 16 Ohm/km



Attenuation (typical)		Screening attenuation		SRL	
5MHz	1,3 dB/100m	30-1000MHz	> 90 dB (Class A)	5-470MHz	> 23 dB
50MHz	4,3 dB/100m	1000-2000MHz	> 90 dB (Class A)	470-1000MHz	> 20 dB
100MHz	5,9 dB/100m	2000-3000MHz	> 90 dB (Class A)	1000-2000MHz	> 18 dB
200MHz	8,1 dB/100m			2000-3000MHz	> 16 dB
860MHz	17,4 dB/100m	Transfer impedance			
1000MHz	19,1 dB/100m				
1750MHz	25,9 dB/100m	5-30MHz	< 8 mOhm/m		
2150MHz	29,5 dB/100m				
3000MHz	34,1 dB/100m				

APPLIED STANDARDS

EN50117

CABLE MARKING

Colour: Black RAL 9005
 Height: 2mm
 3 times: "CAI - week year - HIRSCHMANN-MULTIMEDIA - Coax 9 in home, batchcode"

Lenght marking: every meter

PACKAGING

500m / wooden drum - 18x wooden drums/pallet

695004557

Date Doc.: 01-03-2010	Dep: S&O	Rev.Date :	Subject	Printdat.27-06-11
Hirschmann Multimedia B.V. Pampuslaan 170 1382 JS Weesp	Tel.: 0031(0)294462555	Type Nr.:Coax 9 PVC	Status: Preliminary	Page 1 of 1