



Vision 7

Coaxial Cable



Application

Video cables are primary used in closed circuit TV systems and several studio applications for transmission of image signals.

Standards

For analogue and digital video signals

Flame resistance

IEC 60332-1

Construction

Inner conductor	bare copper wire, diameter 1.0 mm
Insulation	gas injected foam PE, diameter 4.65 mm
Outer conductor	AL-PET-Al foil, longitudinal, under tinned copper braid, optical coverage 60%, diameter 5.2 mm
Sheath	FRNC, 6.8 mm ± 0.2 mm
Printing	DRAKA COMTEQ –Vision 7 LSOH + meter marking + batch number

Mechanical properties

Minimum bending radius	without load	5 x D (D= outer diameter)
	with load	10 x D (D= outer diameter)
Temperature range	during operation	- 20° C to + 70° C
	during storage	- 20° C to + 70° C
	during installation	- 5° C to + 60° C
Corrosivity	for cables with FRNC sheath	acc. to IEC 60754-2



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Electrical properties

at 20°C

DC resistance	Inner conductor	22 Ω/km
	Outer conductor	18 Ω/km
Mutual capacitance		56 pF/m
Characteristic impedance		75 Ω ± 0.75 Ω
Velocity ratio		78 %
Screening factor	30 MHz – 3000 MHz	> 80 dB

Electrical data

at 20°C

Attenuation (dB/100m)		Return loss (dB)	
Frequency (MHz)		Frequency (MHz)	
	nominal		
5	1.8	50 – 300	> 22
30	5.0	300 – 3000	> 18
100	7.0		
200	9.8		
500	15.9		
800	18.9		
1000	20.8		
1500	25.4		
2250	31.7		
3000	37.3		

Technical data

Product code	Cable type	Weight kg/km	Standard delivery length m	Drum size *PWD	Copper content	Tensile force N	Bending radius mm	Storage
CT...	Vision 7 LSOH	69	1000	400/150/330	18	110	45	inside

*PWD (plywood drum)