



Vision 5

Coaxial cable



Application

Video cables are primary used in closed circuit TV systems and in 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 0.6 mm
Insulation	gas injected foam PE, diameter 2.8 mm
Outer conductor	AL-PET-Al foil, longitudinal, under tinned copper braid, optical coverage 60%,
Sheath	FRNC, 4.5 mm
Printing	DRAKA COMTEQ – Vision 5 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	61 Ω/km
	Outer conductor	31 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)	Nominal	Frequency (MHz)	
5	2.7	50 – 300	> 22
30	6.5	300 – 3000	> 18
100	11.5		
200	16.5		
500	27.0		
800	34.6		
1000	38.8		
1500	47.5		
2250	59.4		
3000	69.9		

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 5 LSOH	22	1000	400/150/330	9.0	50	25	inside

*SPH (plywood drum)