



Vision 6

Coaxial cable



Application

Video cables are primarily 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 0.8 mm
Insulation	gas injected foam PE, diameter 3.7 mm
Outer conductor	AL-PET-Al foil, longitudinal, under tinned copper braid, optical coverage 60%, diameter 4.5 mm
Sheath	FRNC, 5.9 mm ± 0.2 mm
Printing	DRAKA COMTEQ – Vision 6 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	35 Ω/km
	Outer conductor	20 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		
1	1.0	50 – 300	> 22
5	2.1	300 – 3000	> 18
100	8.7		
200	12.0		
300	14.6		
500	19.3		
800	25.1		
1000	28.0		
1500	34.4		
2250	43.5		
3000	51.2		

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 6 LSOH	49	1000	400/150/330	14	100	40	inside

*SPH (plywood drum)