

# 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	<b>DRAKA</b> 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	400/150/3 30	14	100	40	inside

\*SPH (plywood drum)

[PRODUCT CODE TABLE]

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