

## Vision 7

### Coaxial Cable



### Application

Video cables are primarily 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	<b>DRAKA</b> COMTEQ - <b>Vision 7</b> 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	400/150/3 30	18	110	45	inside

\*PWD (plywood drum)

[PRODUCT CODE TABLE]

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