



## 1.6/7.3 AF

### Video Cable 75 Ω



### 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 (Composite, Component, SDI, SDV, SDTI, HDTV)

### Flame resistance

PVC: IEC 60332-1  
FRNC: IEC 60332-1; IEC 60754-2; IEC 61034  
FRNC-C: additionally IEC 60332-3 C

### Construction

Inner conductor	solid copper wire, bare, diameter 1.6 mm
Insulation	Foam-PE, diameter 7.3 mm
Outer conductor	Al-PET-Al-foil under tinned copper braid, diameter 8.2 mm
Sheath	FRNC, diameter 10.3 mm green, RAL 6018
Printing	for FRNC: <b>DRAKA COMTEQ – 1.6/7.3 AF - 75 Ω ± 1% – HDTV FRNC</b> for PVC: <b>DRAKA COMTEQ – 1.6/7.3 AF - 75 Ω ± 1% – HDTV</b> for PUR: <b>DRAKA COMTEQ – 1.6/7.3 AF - 75 Ω ± 1% – HDTV PUR</b>

### Electrical properties

at 20°C

DC resistance	Inner conductor	9.5 Ω/km
	Outer conductor	4.3 Ω/km
Mutual capacitance		56 pF/m
Characteristic impedance		75 Ω ± 0.75 Ω
Velocity ratio		78 %
Screening factor		≥ 100 dB



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### Electrical data

at 20°C

Attenuation (dB/100m)		Return loss (dB)	
Frequency (MHz)		Frequency (MHz)	
1	0.4	50 – 300	≥ 26
3	0.7	300 – 3000	≥ 22
5	0.9	3000 – 3500	≥ 18
10	1.3	3500 – 5000	≥ 15
30	2.2		
100	3.9		
200	5.3		
300	7.0		
500	9.2		
800	11.8		
1000	13.2		
1500	16.9		
2250	22.0		
3000	26.4		
3500	30.6		
4000	36.1		
4500	38.1		
5000	41.3		

### Technical data

Product code	Type	Weight kg/km	Standard delivery length m	Drum size KTG/ring	Copper content	Tensile force N	Bending radius mm	Storage
1002202 CT2760901	1.6/7.3 AF FRNC-C gn	135	1000	091	74.6	270	60	inside
1002197 CT2757800	1.6/7.3 AF PVC green	135	1000	091	74.6	270	60	inside
1002461 CT2757900	1.6/7.3 AF PUR green	120	1000	091	74.6	270	60	inside
1002462 CT2757902	1.6/7.3 AF PUR blue	120	1000	091	74.6	270	60	inside