



1.4/6.6 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 1.4 mm
Insulation	Foam-PE, diameter 6.4 mm
Outer conductor	Al-PET-Al-foil under tinned copper braid, diameter 7.2 mm
Sheath	FRNC, PVC, PUR diameter 9.2 mm green, RAL 6018, blue, RAL 5015
Printing	for FRNC: DRAKA 1.4/6.6 AF - 75 Ω ± 1% HDTV 5GHz - FRNC for FRNC-C: DRAKA 1.4/6.6 AF - 75 Ω ± 1% HDTV 5GHz - FRNC-C for PVC: DRAKA 1.4/6.6 AF - 75 Ω ± 1% HDTV 5GHz for PUR: DRAKA 1.4/6.6 AF - 75 Ω ± 1% HDTV PUR + batch number + meter marking

Electrical properties

at 20°C

DC resistance	Inner conductor	12 Ω/km
	Outer conductor	5.3 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	0.5	50 – 300	≥ 26
3	0.8	300 – 3000	≥ 22
5	1.0	3000 – 3500	≥ 18
10	1.5	3500 – 5000	≥ 15
30	2.5		
100	4.5		
200	6.5		
300	9.0		
500	11.0		
800	14.1		
1000	15.8		
1500	19.6		
2250	26.3		
3000	30.2		
3500	34.8		
4000	38.1		
4500	41.0		
5000	44.0		

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
1002211 CT2850601	1.4/6.6 AF FRNC-C gn	109	1000	081	49	200	45	inside
1018388 CT2850605	1.4/6.6 AF FRNC-C vi	109	1000	081	49	200	45	inside
1002200 CT2758400	1.4/6.6 AF PVC green	109	1000	081	49	200	45	inside
1003489 CT2758602	1.4/6.6 AF PUR blue	109	1000	081	49	200	45	inside