

1.4/6.6 AF

Video Cable 75 Ω



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

Flame resistance

PVC: Not for fixed installation in construction works
FRNC: IEC 60332-1, IEC 60754, IEC 61034, Class E_{ca}
FRNC-C: additionally IEC 60332-3 -24, Class D_{ca}

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

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Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
DR 1.4/6.6AF FRNC-C blue HDTV		60011591	60011591
DR 1.4/6.6AF FRNC-C green HDTV		60011592	60011592
DR 1.4/6.6AF GN PVC 75 OHM HDTV		60015166	60015166
DR 1.4/6.6AF PUR blue 75 OHM HDTV		60015167	60015167

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