

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: DRAKA COMTEQ - 1.6/7.3 AF - 75 Ω ± 1% - HDTV FRNC for PVC: DRAKA COMTEQ - 1.6/7.3 AF - 75 Ω ± 1% - HDTV for PUR: DRAKA COMTEQ - 1.6/7.3 AF - 75 Ω ± 1% - HDTV PUR

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

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Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
DR 1.6/7.3AF GN PVC 75 OHM HDTV		60015158	60015158
DR 1.6/7.3AF PUR green HDTV		60015160	60015160
DR 1.6/7.3AF PUR blue HDTV		60016762	60016762
DR 1.6/7.3 AF FRNC-C GN HDTV		60016763	60016763
DR 1.6/7.3 AF FRNC-C GN HDTV 500DW	1002202-00500DW	60016763	60016764
DR 1.6/7.3 AF FRNC-C GN HDTV 1000DW	1002202-01000DW	60016763	60016765
1.6/7.3 AF FRNC-C HDTV		60016766	60016766
1.6/7.3 AF FRNC-C BK HDTV		60016768	60016768
1.6/7.3 AF FRNC-C BK HDTV 1000DW	1029374-01000DW	60016768	60016769

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