



0.8/3.7 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: IEC 60332-1
FRNC: IEC 60332-1; IEC 60754-2; IEC 61034
FRNC-C: IEC 60332-3-24 additionally

Construction

Inner conductor	solid copper wire, bare, diameter 0.8 mm
Insulation	Foam-PE, diameter 3.7 mm
Outer conductor	Al-PET-Al-foil under tinned copper braid, diameter 4.5 mm
Sheath	FRNC, FRNC-C or PVC, diameter 5.9 mm green, RAL 6018
Printing	FRNC "DRAKA 0.8/3.7 AF – 75 Ω ± 1% - HDTV 5GHz – FRNC" + batch no. and meter marking FRNC-C "DRAKA 0.8/3.7 AF – 75 Ω ± 1% - HDTV 5GHz – FRNC-C" + batch no. and meter marking PVC "DRAKA 0.8/3.7 AF – 75 Ω ± 1% - HDTV 5GHz" + batch no. and meter marking

Electrical properties

at 20°C

DC resistance	Inner conductor	35 Ω/km
	Outer conductor	10 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	0.9	50 – 300	≥ 26
3	1.5	300 – 3000	≥ 22
5	1.9	3000 – 3500	≥ 18
10	2.7	3500 – 5000	≥ 15
30	4.4		
100	7.9		
200	10.9		
300	13.3		
500	17.6		
800	22.8		
1000	25.5		
1500	31.3		
2250	39.5		
3000	46.5		
3500	51.7		
4000	56.2		
4500	60.1		
5000	65.3		

Technical data

Product code	Type	Weight kg/km	Copper content kg/km	Standard delivery length m	Drum size KTG	Bending radius mm	Tensile force N	Storage
1002206 CT2850301	0.8/3.7 AF FRNC-C gn	49	25	1000	051	40	100	inside
1002207 CT2850302	0.8/3.7 AF FRNC-C bk	49	25	1000	051	40	100	inside
1002483 CT2850303	0.8/3.7 AF FRNC-C bu	49	25	1000	051	40	100	inside
1016656 CT2850304	0.8/3.7 AF FRNC-C vi	49	25	1000	051	40	100	inside
1002151 CT2710800	0.8/3.7 AF PVC gn	49	25	1000	051	40	100	inside
1002152 CT2710801	0.8/3.7 AF PVC bu	49	25	1000	051	40	100	inside
1002153 CT2710802	0.8/3.7 AF PVC ye	49	25	1000	051	40	100	inside
1002156 CT2710805	0.8/3.7 AF PVC wh	49	25	1000	051	40	100	inside
1002157 CT2710806	0.8/3.7 AF PVC bk	49	25	1000	051	40	100	inside