

Coaxial Cable 0.6/ 2.8 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, IEC 61034

FRNC-C: additionally IEC 60332-3 C

Construction

Inner conductor	solid copper wire, bare, diameter 0.6 mm
Insulation	Foam-PE, diameter 2.8 mm
Outer conductor	Al-PET-Al-foil under tinned copper braid, diameter 3.4 mm
Sheath	FRNC or PVC, diameter 4.5 mm green, RAL 6018
Printing	for FRNC: DRAKA - 0.6/2.8 AF - 75 Ω \pm 1% - HDTV FRNC for PVC: DRAKA - 0.6/2.8 AF - 75 Ω \pm 1% - HDTV

Electrical properties

at 20°C

DC resistance	Inner conductor	61 Ω /km
	Outer conductor	17 Ω /km
Mutual capacitance		52.8 pF/m
Characteristic impedance		75 Ω \pm 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	1.1	50 – 300	≥ 26
3	1.9	300 – 3000	≥ 22
5	2.4	3000 – 3500	≥ 18
10	3.1	3500 – 5000	≥ 15
30	5.4		
100	10.5		
200	14.8		
300	17.9		
500	23.1		
800	29.3		
1000	32.8		
1500	40.4		
2250	49.8		
3000	59.3		
3500	66.3		
4000	71.5		
4500	77.0		
5000	82.8		

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
1002160 CT2738600	0.6/2.8 AF PVC green	27	1000	051	14	60	25	inside
1002203 CT2850202	0.6/2.8 AF FRNC-C gn	28	1000	051	14	60	25	inside

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Cable nominal-Ø	Cable Group*	Cable Type	Part Number
5	42	PVC	13-1030-1000
		FRNC	13-1016-1000

* see Cable Table Coaxial Cable

