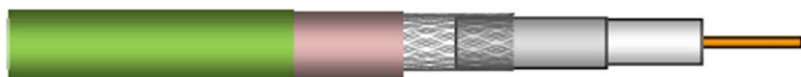


Video Cable 75Ω

Cca
CPR



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, SMPTE 259M, SMPTE 292M, SMPTE 424M, SMPTE 2082)

Flame resistance

LSHF-FR (FRNC-C) jacket: IEC60332-3-24, IEC60332-1, IEC 60754-1, IEC 61034-1, IEC 60754-2
CPR class: Cca s1d1a1

Construction

Inner conductor	solid copper wire, bare, diameter 0.65 mm
Insulation	Foam-PE, diameter 2.8 mm
Outer conductor	Al-PET-Al-foil under tinned copper braid diameter 3.4 mm + Al-PET foil longitudinal, bonded to the sheath
Sheath	FRNC, diameter 4.5 mm, green RAL 6018

Electrical properties

at 20°C

DC resistance	Inner conductor	61 Ω/km
	Outer conductor	17 Ω/km
Mutual capacitance		53±1 pF/m
Characteristic impedance		75 Ω ± 0.75 Ω
Velocity ratio		78 %
Screening factor		> 100 dB

Electrical data

at 20°C

Attenuation (dB/100m)		Return loss (dB)	
Frequency (MHz) nominal		Frequency (MHz)	
1	1.2	50 – 300	≥ 26
3	1.9	300 – 3000	≥ 22
5	2.5	3000 – 3500	≥ 18
10	3.5	3500 – 6000	≥ 15
30	5.9	6000 – 12000	≥ 15
100	10.0		
200	14.1		
300	17.8		
500	24.0		
800	29.7		
1000	33.2		
1500	39.6		
2250	50.2		
3000	60.9		
3500	65.8		
4000	69.8		
4500	74.2		
5000	78.9		
6000	86.9		
9000	105.4		
12000	122.8		

Technical data

	Type	Weight kg/km	Standard delivery length m	Drum size KTG/ring	Copper content	Tensile force N	Bending radius mm	Storage
	IBER 45 Cca s1a d1	28	1000	051	14	60	25	inside