

IBER UHD 50 FLEX

Video cable 75 Ω for installation



Application

Video cables are primary used in closed circuit TV systems and in several studio applications for transmission of video content.

Standards

Designed for 12Gbit/s, 4K (SMPTE 2082), UHD, also for Composite, Component, SDI, SDV, SDTI, HDTV (1080i, 720p, 1080p)

Construction:

Inner conductor	Solid copper wire, silvered, diameter 0.7 mm
Insulation	Foam-PE, diameter 2.9 mm,
1.outer conductor	copper braid
2. outer conductor	copper braid
Sheath	PVC Gummi, brown RAL 8003, diameter, max 5.0 mm

IBER UHD 50 FLEX

Electrical properties

at 20°C

DC resistance	Inner conductor	46 Ω/km
	Outer conductor	20 Ω/km
Mutual capacitance		56 pF/m
Characteristic impedance		75 Ω
Velocity ratio		78 %
Screening factor		≥ 100dB
Temperature range		-30° to +75°C

Electrical data (nominal)

at 20°C

Frequency (MHz)	Attenuation (dB/100m)		Return loss (dB) several peaks are allowed	
			Frequency (MHz)	
1	2.4		50 - 300	> 26
5	2.2		300 - 3000	> 22
10	3.1		3000 - 3500	> 18
100	10.1		3500 - 6000	> 15
200	13.9		6000 - 12000	> 15
300	16.7			
500	22.0			
750	26.8			
800	28.0			
1000	31.2			
1500	39.1			
2000	45.4			
3000	55.6			
4000	65.7			
5000	72.8			
6000	81.0			
9000	99.2			
10000	104.6			
12000	114.6			
15000	128.1			

Technical data

Product code	Type	Weight kg/km	Standard delivery length m	Drum size PWD	Copper content	Tensile force N	Bending radius mm	Storage
	IBER UHD 50 FLEX	42	1000	400/120/280	28	60	50	inside