HD PRO 1.0/4.8 AF

HD Video Cable 75 Ω

Eca
CPR

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

FRNC: IEC 60332-1, IEC 60754, IEC 61034, Class E_{ca}

Construction

Inner conductor	solid copper wire, bare, diameter 1.0 mm
Insulation	Foam-PE, diameter 4.8 mm
Outer conductor	Al-PET-Al-foil under tinned copper braid, diameter 5.6 mm
Sheath	FRNC diameter 7.0 mm anthracite
Printing	**DRAKA** - HD PRO 1.0/4.8 AF - 75 Ω ± 1%

Electrical properties

at 20°C

DC resistance	Inner conductor	22 Ω/km
	Outer conductor	7 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	0.8	50 – 300	≥ 26
3	1.3	300 – 3000	≥ 22
5	1.6	3000 – 3500	≥ 18
10	2.1	3500 – 5000	≥ 15
30	3.5		
100	6.2		
200	8.9		
300	11.3		
500	14.8		
800	18.5		
1000	20.7		
1500	24.9		
2250	31.7		
3000	37.3		
3500	41.5		
4000	47.2		
4500	51.2		
5000	55.1		

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
1014490	HD PRO 1.0/4.8 AF	69	1000	071	35	140	45	inside

[PRODUCT CODE TABLE]