

## HD Video Cable 75 $\Omega$



## 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 60754-2; IEC 61034

## 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
Printing	DRAKA HD PRO 1.0/4.8 AF - 75 $\Omega$ $\pm$ 1% + batch no.

## Electrical properties

at 20°C

DC resistance	Inner conductor	22 $\Omega$ /km
	Outer conductor	7 $\Omega$ /km
Mutual capacitance		56 pF/m
Characteristic impedance		75 $\Omega$ $\pm$ 0.75 $\Omega$
Velocity ratio		78 %
Screening factor		$\geq$ 100 dB

## 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	Sheath colour	Weight kg/km	Standard delivery length m	Drum size PWD	Copper content	Tensile force N	Bending radius mm	Storage
60016731 (1014490)	HD PRO 1.0/4.8 AF	Anthracite	57	1000	600/200/310	35	140	45	inside
60026755	HD PRO 1.0/4.8 AF	black	57	1000	600/200/310	35	140	45	inside

\*PWD (plywood drum)

## Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
HD PRO 1.0/4.8AF GY LSHF		--	60010403
HD PRO 1.0/4.8AF GY LSHF 1000DW	1014490-01000DW	60009602	60016731

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Cable-nominal-Ø	Cable Group*	Cable Type	Part Number
7	51	FRNC	13-1101-1000

\* see Cable Table Coaxial Cable

