

## 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 0.8 mm
Insulation	Foam-PE, diameter 3.7 mm
Outer conductor	Al-PET-Al-foil under tinned copper braid, diameter 4.5 mm
Sheath	FRNC, diameter 5.9 mm
Printing	DRAKA HD PRO 0.8/3.7 AF - 75 $\Omega$ $\pm$ 1% + batch no.

### Electrical properties

at 20°C

DC resistance	Inner conductor	35 $\Omega$ /km
	Outer conductor	10 $\Omega$ /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	0.9	50 – 300	≈ 26
3	1.5	300 – 3000	≈ 22
5	1.9	3000 – 3500	≈ 18
10	2.7	3500 – 5000	≈ 15
30	4.4		
100	7.9		
200	10.9		
300	13.3		
500	17.6		
800	22.8		
1000	25.5		
1500	31.3		
2250	39.5		
3000	46.5		
3500	51.7		
4000	56.2		
4500	60.1		
5000	65.3		

## 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
60014547 (1014489)	HD PRO 0.8/3.7 AF	Anthracite	44	1000	500/200/360	25	100	40	inside
60026753	HD PRO 0.8/3.7 AF	black	44	1000	500/200/360	25	100	40	inside

\*PWD (plywood drum)

## Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
HD PRO 0.8/3.7AF GY LSHF		60010082	60010082
HD PRO 0.8/3.7AF GY LSHF 1000DW	1014489-01000DW	60010082	60014547

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Cable-nominal-Ø	Cable-Group*	Cable Type	Part Number
6	50	FRNC	13-1100-1000

\* see Cable Table Coaxial Cable

