

Video Cable 75 Ω



Application

Video cables are primary used in closed circuit TV systems and in studio applications.

Standards

For analogue and digital video signals (Composite, Component, SDI, SDV, SDTI, HDTV)

Flame resistance

Construction

Inner conductor	stranded silver coated copper wires, diameter 1.0 mm
Insulation	Foam-PE, diameter 4.8 mm
Outer conductor	2xCu-braid, tinned
Sheath	DMC FLEX PVC diameter 7.0 mm, black, RAL 9005
Printing	DRAKA - HD PRO FLEX 1.0L/4.8Dz - 75 Ω \pm 1% - HDTV

Electrical properties

at 20°C

DC resistance	Inner conductor	21 Ω /km
	Outer conductor	5 Ω /km
Mutual capacitance		56 pF/m
Characteristic impedance		75 Ω \pm 0.75 Ω
Velocity ratio		67 %
Screening factor		> 90 dB

Electrical data

at 20°C

Attenuation (dB/100m)		Return loss (dB)	
Frequency (MHz)		Frequency (MHz)	
1	0.5	50 - 300	> 26
10	1.9	300 - 3000	> 22
100	8.0	3000 - 3500	> 18
200	10.1	3500 - 500	> 15
300	14.0		
500	17.3		
800	22		
1000	25.8		
1500	32		
2250	41.6		
3000	49		
3500	54.4		
4000	57.1		
4500	62.2		
5000	67.1		

Technical data

Product code	Type	Weight kg/km	Standard delivery length m	Drum size *PWD	Copper content	Tensile force N	Bending radius mm	Storage
1018427	HD PRO FLEX 1.0L/4.8Dz	80	1000	600/200/3 10	49,8	115	45	inside

*PWD (plywood drum)

Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
HD PRO FLEX 1.0L/4.8Dz		60011389	60011389
HD PRO FLEX 1.0L/4.8Dz 1000DW	1018427-01000DW	60011389	60015142

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Cable-nominal-Ø	Cable Group*	Cable Type	Part Number
7	51	DMC FLEX PVC	13-1115-1000

* see Cable Table Coaxial Cable

