

Coaxial Cable 0.41/1.9 AF

Video Cable 75 Ω



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

PVC: IEC 60332-1
FRNC: IEC 60332-1; IEC 60754-2; IEC 61034
FRNC-C: additionally IEC 60332-3 C

Construction

Inner conductor	copper wire, bare, diameter 0.41 mm
Insulation	Foam-PE, diameter 1.9 mm
Outer conductor	Al-PET-Al foil + copper braid, tinned, diameter 2.5 mm
Sheath	FRNC or PVC, diameter 3.1mm
Printing	DRAKA – 0.41/1.9 AF – 75 Ω \pm 1%

Electrical properties

at 20°C

DC resistance	Inner conductor	145 Ω /km
Mutual capacitance		56 pF/m
Characteristic impedance		75 Ω \pm 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	1.7	50 – 300	> 26
5	3.5	300 – 3000	> 22
10	4.9	3000 – 3500	> 18
30	8.5	3500 – 5000	> 15
100	15.4		
200	21.8		
300	26.7		
1000	49.5		
1500	61.5		
2000	71.0		
2500	80.5		
3000	88.1		
3500	96.4		
4000	103.0		
4500	110.6		
5000	116.6		

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
1002496 CT2967000	0.41/1.9 AF PVC gn	14	1000	051	7.5	50	20	inside
1002459 CT7667000	0.41/1.9 AF FRNC-C gn	14	1000	051	7.5	50	20	inside

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Cable nominal-Ø	Cable Group*	Cable Type	Part Number
4	74	FRNC	13-1139-1000
		PVC	13-1125-1000

*see Cable Table Coaxial Cable

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