

0.41/1.9 AF

Video Cable 75 Ω



Application

Video cables are primarily 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: Not for fixed installation in construction works
FRNC: IEC 60332-1, IEC 60754, IEC 61034, Class E_{ca}
FRNC-C: additionally IEC 60332-3 -24, Class D_{ca}

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 ± 1%

Electrical properties

at 20°C

DC resistance	Inner conductor	145 Ω/km
Mutual capacitance		56 pF/m
Characteristic impedance		75 Ω ± 0.75 Ω
Velocity ratio		78 %
Screening factor		> 100 dB

0.41/1.9 AF

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

Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
DR 0.41/1.9AF FRNC-C GN		60013645	60013645
DR 0.41/1.9AF FRNC-C GN 1000DW	1002459-01000DW	60013645	60013863
DR 0.41/1.9 AF PVC green		60014855	60014855

© PRYSMIAN GROUP 2011, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.