

0.8/3.7 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: IEC 60332-1
FRNC: IEC 60332-1; IEC 60754-2; IEC 61034
FRNC-C: IEC 60332-3-24 additionally

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, FRNC-C or PVC, diameter 5.9 mm green, RAL 6018
Printing	FRNC "DRAKA 0.8/3.7 AF - 75 Ω ± 1% - HDTV 5GHz - FRNC" + batch no. and meter marking FRNC-C "DRAKA 0.8/3.7 AF - 75 Ω ± 1% - HDTV 5GHz - FRNC-C" + batch no. and meter marking PVC "DRAKA 0.8/3.7 AF - 75 Ω ± 1% - HDTV 5GHz" + batch no. and meter marking

Electrical properties

at 20°C

DC resistance	Inner conductor	35 Ω/km
	Outer conductor	10 Ω/km
Mutual capacitance		56 pF/m
Characteristic impedance		75 Ω ± 0.75 Ω
Velocity ratio		78 %
Screening factor		≥ 100 dB

0.8/3.7 AF

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	Weight kg/km	Copper content	Standard delivery length m	Drum size KTG	Bending radius mm	Tensile force N	Storage
1002206 CT2850301	0.8/3.7 AF FRNC-C gn	49	25	1000	051	40	100	inside
1002207 CT2850302	0.8/3.7 AF FRNC-C bk	49	25	1000	051	40	100	inside
1002483 CT2850303	0.8/3.7 AF FRNC-C bu	49	25	1000	051	40	100	inside
1016656 CT2850304	0.8/3.7 AF FRNC-C vi	49	25	1000	051	40	100	inside
1002151 CT2710800	0.8/3.7 AF PVC gn	49	25	1000	051	40	100	inside
1002152 CT2710801	0.8/3.7 AF PVC bu	49	25	1000	051	40	100	inside
1002153 CT2710802	0.8/3.7 AF PVC ye	49	25	1000	051	40	100	inside
1002156 CT2710805	0.8/3.7 AF PVC wh	49	25	1000	051	40	100	inside

0.8/3.7 AF

1002157 CT2710806	0.8/3.7 AF PVC bk	49	25	1000	051	40	100	inside
-----------------------------	-------------------	----	----	------	-----	----	-----	--------

Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
DR 0.8/3.7AF PVC VIOLET HDTV		60009199	60009199
0.8/3.7AF PVC ORANGE HDTV		60011500	60011500
DR 0.8/3.7AF PVC BLUE HDTV		60011501	60011501
DR 0.8/3.7AF PVC GREEN HDTV		60011502	60011502
DR 0.8/3.7AF VIOLET FRNC-C HDTV		60011523	60011523
DR 0.8/3.7AF BLUE FRNC-C HDTV		60011524	60011524
DR 0.8/3.7AF GREEN FRNC-C HDTV 1000DW	1002206-01000DW	60011526	60011525
DR 0.8/3.7AF GREEN FRNC-C HDTV		60011526	60011526
DR 0.8/3.7AF PVC GREEN HDTV 1000DW	1002151-01000DW	60011502	60013908
DR 0.8/3.7AF PVC BLUE HDTV 500DW	1002152-00500DW	60011501	60013910
DR 0.8/3.7AF PVC BLUE HDTV 1000DW	1002152-01000DW	60011501	60013911
DR 0.8/3.7AF PVC VIOLET HDTV 500DW	1002154-00500DW	60009199	60013913
DR 0.8/3.7AF PVC VIOLET HDTV 1000DW	1002154-01000DW	60009199	60013914
DR 0.8/3.7AF PVC BLACK HDTV		60013915	60013915
DR 0.8/3.7AF PVC BLACK HDTV 500DW	1002157-00500DW	60013915	60013916
DR 0.8/3.7AF PVC BLACK HDTV 1000DW	1002157-01000DW	60013915	60013918
DR 0.8/3.7AF PVC red HDTV		60013919	60013919
DR 0.8/3.7AF GREEN FRNC-C HDTV 500DW	1002206-00500DW	60011526	60014453
DR 0.8/3.7AF BLACK FRNC-C HDTV		60014456	60014456
DR 0.8/3.7AF BLACK FRNC-C HDTV 1000DW	1002207-01000DW	60014456	60014459
DR 0.8/3.7AF BLUE FRNC-C HDTV 1000DW	1002483-01000DW	60011524	60014463
DR 0.8/3.7AF VIOLET FRNC-C HDTV 1000DW	1016656-01000DW	60011523	60014467
DR 0.8/3.7AF PVC BLUE HDTV 100DC	1002152-00100DC	60011501	60021890
DR 0.8/3.7 AF PVC YE HDTV		--	60026072

© PRYSMIAN GROUP 2009, 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.