

1.0/4.8 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, SMPTE 2082)

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	solid copper wire, bare, diameter 1.0 mm
Insulation	Foam-PE, diameter 4.8 mm
Outer conductor	Al-PET-Al-foil under tinned copper braid, diameter 5.6 mm
Sheath	FRNC, PVC, PUR diameter 7.0 mm green, RAL 6018, blue, RAL 5015
Printing	for FRNC: DRAKA - 1.0/4.8 AF - 75 Ω ± 1% - HDTV FRNC+ metermarging +batch number for PVC: DRAKA - 1.0/4.8 AF - 75 Ω ± 1% - HDTV +metermarging +batch number for PUR: DRAKA - 1.0/4.8 AF - 75 Ω ± 1% - HDTV PUR +metermarging +batch number

Electrical properties

at 20°C

DC resistance	Inner conductor	22 Ω/km
	Outer conductor	7 Ω/km
Mutual capacitance		56 pF/m
Characteristic impedance		75 Ω ± 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	0.8	50 – 300	≥ 26
3	1.1	300 – 3000	≥ 22
5	1.3	3000 – 3500	≥ 18
10	2.0	3500 – 6000	≥ 15
30	4.1	6000 – 12000	≥ 15
100	6.7		
200	9.2		
300	11.1		
500	14.7		
800	18.8		
1000	21.0		
1500	26.5		
2000	31.0		
2250	33.1		
3000	38.3		
3500	41.9		
4000	45.4		
4500	48.3		
5000	51.0		
6000	56.8		
9000	69.6		
10000	73.3		
12000	80.3		
15000	89.8		

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
1002208 CT2850401	1.0/4.8 AF FRNC-C green	69	1000	071	35	140	45	inside
1002209 CT2850402	1.0/4.8 AF FRNC-C green	69	1000	071	35	140	45	inside
1002210 CT2850405	1.0/4.8 AF FRNC-C green	69	1000	071	35	140	45	inside
1002198 CT2758300	1.0/4.8 AF PVC green	69	1000	071	35	140	45	inside
1002199 CT2758301	1.0/4.8 AF PVC blue	69	1000	071	35	140	45	inside
1002464	1.0/4.8 AF PUR blue	69	1000	071	35	140	45	inside

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CT2761002

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Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
DR 1.0/4.8AF FRNC-C green HDTV		60009601	60009601
DR 1.0/4.8AF FRNC-C violet HDTV		60009613	60009613
DR 1.0/4.8AF FRNC-C violet HDTV 1000DW	1012437-01000DW	60009613	60011557
DR 1.0/4.8AF FRNC-C blue HDTV		60011558	60011558
DR 1.0/4.8AF PUR green		60014197	60014197
DR 1.0/4.8AF PUR green 1000DW	1013526-01000DW	60014197	60014199
DR 1.0/4.8AF PUR blue		60014201	60014201
DR 1.0/4.8AF FRNC-C green HDTV 500DW	1002208-00500DW	60009601	60014472
DR 1.0/4.8AF FRNC-C green HDTV 1000DW	1002208-01000DW	60009601	60014473
DR 1.0/4.8AF FRNC-C violet HDTV 500DW	1012437-00500DW	60009613	60014483
DR 1.0/4.8 AF GN 75 OHM HDTV		60015161	60015161
DR 1.0/4.8 AF GN 75 OHM HDTV 1000DW	1002198-01000DW	60015161	60015162
DR 1.0/4.8 AF PVC BL 75 OHM HDTV		60015163	60015163

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