



## 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)

### 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	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: <b>DRAKA COMTEQ – 1.0/4.8 AF - 75 Ω ± 1% – HDTV FRNC</b> for PVC: <b>DRAKA COMTEQ – 1.0/4.8 AF - 75 Ω ± 1% – HDTV</b> for PUR: <b>DRAKA COMTEQ – 1.0/4.8 AF - 75 Ω ± 1% – HDTV PUR</b>

### 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	1.3	300 – 3000	≥ 22
5	1.6	3000 – 3500	≥ 18
10	2.1	3500 – 5000	≥ 15
30	3.5		
100	6.2		
200	8.9		
300	11.3		
500	14.8		
800	18.5		
1000	20.7		
1500	24.9		
2250	31.7		
3000	37.3		
3500	41.5		
4000	47.2		
4500	51.2		
5000	55.1		

### 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 CT2761002	1.0/4.8 AF PUR blue	69	1000	071	35	140	45	inside