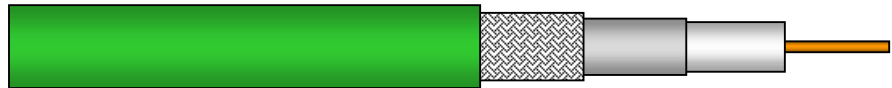


Video Cable 75 Ω 1.0/4.8 AF FRNC-C, PVC, PUR

Application

Video cables are primary used in closed circuit TV systems and in several studio applications for transmission of image signals.



Construction

Inner conductor	solid copper wire, bare, diameter 1.0 mm
Insulation	Foam-PE, diameter 4.8 mm
Outer conductor	Al-PETP-Al-foil under tinned copper braid, diameter 5.6 mm
Sheath	FRNC-C, PVC, PUR, diameter 7.0 mm
Sheath colour	green, RAL 6018, blue RAL 5015
Sheath marking	"DRAKA COMTEQ - 1.0/4.8 AF - 75 Ω ± 1% - HDTV FRNC-C" for FRNC "DRAKA COMTEQ - 1.0/4.8 AF - 75 Ω ± 1% - HDTV " for PVC "DRAKA COMTEQ - 1.0/4.8 AF - 75 Ω ± 1% - HDTV PUR " for PUR

Electrical properties at 20 °C

Characteristic impedance	Ω	75 ± 0.75
Attenuation nom. 1 MHz	dB/100m	0.8
3 MHz	dB/100m	1.3
5 MHz	dB/100m	1.6
10 MHz	dB/100m	2.1
30 MHz	dB/100m	3.5
100 MHz	dB/100m	6.2
200 MHz	dB/100m	8.9
300 MHz	dB/100m	11.3
500 MHz	dB/100m	14.8
800 MHz	dB/100m	18.5
1000 MHz	dB/100m	20.7
1500 MHz	dB/100m	25.4
2250 MHz	dB/100m	31.7
3000 MHz	dB/100m	37,3
3500 MHz	dB/100m	41,5
4000 MHz	dB/100m	47,2
4500 MHz	dB/100m	51,2
5000 MHz	dB/100m	55,1
Screening factor	dB	≥ 100
Velocity ratio	%	78
DC resistance		
Inner conductor	Ω/km	22
Outer conductor	Ω/km	7
Return loss nom.		
50 - 300 MHz	dB	≥ 26
300 - 3000 MHz	dB	≥ 22
3000 - 3500 MHz	dB	≥ 18
3500 - 5000 MHz	dB	≥ 15
Mutual capacitance	pF/m	56

Technical data

Product code	Type	Weight kg/km	Copper content kg/km	Standard delivery length m	Drum size KTG/ring	Bending radius mm	Tensile force N	Storage
CT2850401	1.0/4.8 AF FRNC green	69	35	1000	071	45	140	inside
CT2850402	1.0/4.8 AF FRNC green	69	35	1000	071	45	140	inside
CT2850405	1.0/4.8 AF FRNC green	69	35	1000	071	45	140	inside
CT2758300	1.0/4.8 AF PVC green	69	35	1000	071	45	140	inside
CT2758301	1.0/4.8 AF PVC blue	69	35	1000	071	45	140	inside
CT2761002	1.0/4.8 AF PUR blue	69	35	1000	071	45	140	inside