

1.0/4.8 AF

Video Cable 75 Ω

Construction

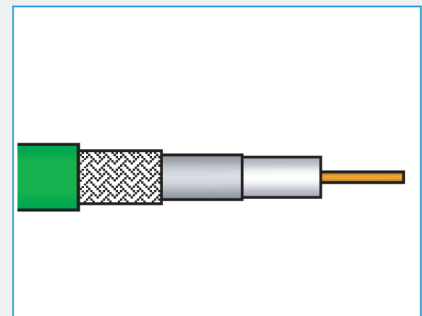
Inner conductor	solid copper wire, bare, diameter 1.0 mm
Insulation	Foam-PE, diameter 4.8 mm
Outer conductor	Al-PET-Al-foil under tinned copper braid, diameter 5.6 mm
Sheath	LSZH, PVC, PUR diameter 7.0 mm green, RAL 6018, blue, RAL 5015
Weight	Nom. 69 kg/km
Tensile force N	140

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

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	-	-



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)

Fire Rating

- PVC: IEC 60332-1
- LSZH: IEC 60332-1, IEC 61034-2, IEC 60754-1/2
- LSZH-C: IEC 60332-3 C

Ordering Information

P/N	Product Description	P.U
1002208 CT2850401	1.0/4.8 AF LSZH-C green, Video Cable 75 Ω, 1.0/4.8 AF	1000m/drum
1002209 CT2850402	1.0/4.8 AF LSZH-C green, Video Cable 75 Ω, 1.0/4.8 AF	1000m/drum
1002210 CT2850405	1.0/4.8 AF LSZH-C green, Video Cable 75 Ω, 1.0/4.8 AF	1000m/drum
1002198 CT2758300	1.0/4.8 AF PVC green, Video Cable 75 Ω, 1.0/4.8 AF	1000m/drum
1002199 CT2758301	1.0/4.8 AF PVC blue, Video Cable 75 Ω, 1.0/4.8 AF	1000m/drum