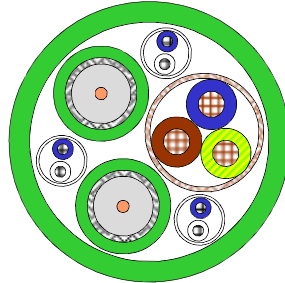


VAN-Cable

Video Audio Net Cable



Application

The Video Audio (Power)Net cable serves the simultaneous transmission of energy and several video and audio signals for general purpose.

Flame resistance

Construction

Element 1: coaxial cable 0.6/2.8 – 75 Ω

Inner conductor	copper wire bare, diameter 0.6 mm
Insulation	Foam-PE, diameter 2.8 mm
Outer conductor	Al-PETP-Al-foil under copper braid, tinned, diameter 3.4 mm
Sheath	PVC, diameter 4.5 mm green with number printing "1" and "2"

Element 2: screened power cable 3 x 1.5 mm²

Inner conductor	stranded copper wires, bare, diameter 1.6 mm
Insulation	PVC, diameter 3.0 mm
Identification	1 x brown, 1x blue, 1 x yellow-green
Stranding	3 cores, diameter 6.4 mm
Insulation	2 x overlapping plastic foil, diameter 6.5 mm
Screen	copper braid, bare, diameter 7.1 mm
Insulation	1 x overlapping plastic foil, diameter 7.2 mm

Element 3: screened audio cable 2 x 0,22 mm²

Inner conductor	stranded copper tinned, bare, diameter 0.6 mm
Insulation	PE, diameter 1.0 mm
Identification	1 x blue, 1x white
Stranding	2 cores stranded to pair, diameter 2.0 mm
Insulation	1 x overlapping plastic foil, diameter 2.1 mm
Screen	copper braid, tinned, diameter 2.5 mm
Wrapping	1 x overlapping plastic foil

Cable lay up

Stranding	2 x Element 1, Element 2, in the outer gaps 3 x Element 3 with identification tape 1-3 diameter 11.8 mm
Wrapping	1 x overlapping plastic foil, diameter 11.8 mm
Sheath	PUR, diameter 14.0 mm green, RAL 6018
Printing	DRAKA COMTEQ – VIDEO-AUDIO-NETZ 752

VAN-Cable

Electrical properties
at 20°C
Coaxial 0.6/2.8 – 75 Ω

Characteristic impedance		75 Ω ± 0.75 Ω
Screening factor		> 100 dB
Velocity ratio		78 %
DC resistance	Inner conductor	61 Ω/km
	Outer conductor	17 Ω/km
Mutual capacitance		56 pF/m

Screened power cable 3x1.5 mm

DC resistance		< 12.5 Ω/km
Insulation resistance		≥ 200 MΩ*km
Test voltage	50 Hz, 1min	500 V _{rms}
Operating voltage	AC	250 V _{rms}
DC resistance	braid	≤ 11.5 Ω/km

Recommendation:

Under voltage above 65 V the power cable screen has to be contacted to earth termination at the power source device.

Screened audio cable 2 x 0.22 mm²

DC resistance		83 Ω/km
Insulation resistance	core/core/screen	200 MΩ*km
Test voltage	core/core/screen (50 Hz, 1 min)	500 V _{rms}
Operating voltage	AC	< 250 V _{rms}
DC resistance	screen	40 Ω/km

Electrical data
at 20°C
Coaxial 0.6/2.8 - 75 Ω

Attenuation (dB/100m)		Return loss (dB)	
Frequency (MHz)		Frequency (MHz)	
0.1	0.39	50 – 300	> 22
0.3	0.65	300 – 800	> 18
0.6	0.9		
1	1.2		
3	1.9		
5	2.5		
10	3.5		
30	5.9		
100	10.5		
200	15.0		
300	18.7		
500	24.5		
800	31.5		

VAN-Cable

Technical data

Product code	Type	Weight kg/km	Standard delivery length m	Drum size KTG	Copper content	Tensile force N	Minimum bending radius N mm	Storage
1002306 CT2877000	VAN-Cable PUR green	224	500	091	127	300	140	inside

[PRODUCT CODE TABLE]

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