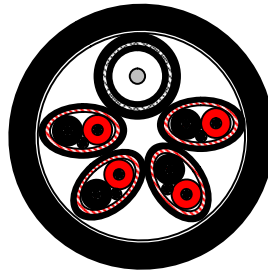




VA 14

Video/Audio Cable



Application

Standards

Flame resistance

Construction

Element 1: Coaxial cable 0.41/1.9AF (1x)

Inner conductor	copper wire, tinned, diameter 0.41 mm
Insulation	Foam-PE, diameter 1.9 mm
Outer conductor	Al-PETP-Al-foil + copper braid, tinned, diameter 2.5 mm
Sheath	PVC, diameter 3.1 mm black

Element 2: Audio cable (4 x 2 x 0,14 mm²)

Inner conductor	stranded copper wires, bare, 7 x 0.16 mm, diameter 0.48 mm
Insulation	HDPE, diameter 0.88 mm
Identification	a – core: red; b – core: black, diameter 1.76 mm
Pair screen	spiralled copper wires, bare + stranded copper drain wires, bare, diameter 1.96 mm
Sheath	PVC, diameter 2.5 mm black with number printing 1-4

Cable lay up

Stranding	(0+5) Layer: 1 x Element 1 + 4 x Element 2 diameter 6.9 mm
Wrapping	1 x Polyester web, thickness 0.03 mm; diameter 7.0 mm
Sheath	DMC FLEX PUR ZH, wall thickness 1.0 mm, diameter 9.0 mm ± 0.3 mm matt black, RAL 9005
Printing	DRAKA COMTEQ VA 14 DMC FLEX PUR ZH



VA 14

Mechanical properties

Minimum bending radius	without load	10 x D (D= outer diameter)
	with load	15 x D (D= outer diameter)
Temperature range	during operation	- 30° C to + 70° C

Electrical properties

at 20°C

Coaxial cable 0.41/1.9AF

DC resistance	Inner conductor	145 Ω/km
Insulation resistance		10 GΩ*km
Mutual capacitance		60 nF/km
Characteristic impedance	1 MHz	75 Ω ± 3 Ω

Audio cable (4 x 2 x 0.14 mm²)

Loop resistance		≤ 288 Ω/km
Insulation resistance	500 V	≥ 2000 MΩ*km
Mutual capacitance	800 Hz	≤ 90 nF/km
Velocity ratio		ca. 66 %
Test voltage	(DC, 1 min) core/core and core/screen	1000 V
Operating voltage	AC	50 V
	DC	75 V

Electrical data

at 20°C

Coaxial cable 0.41/1.9AF

Attenuation (dB/100m)		Return loss (dB)	
Frequency (MHz)		Frequency (MHz)	
1	1.8	1 – 300	22
5	4.2		
10	5.9		
20	8.3		
30	10.1		
100	18.5		
200	26.2		
300	32.1		

Audio cable AC10 SS 26/7 1P

Frequency (MHz)	Near end crosstalk (dB/300m)	
	neighbouring pairs	unneighbouring pairs
0.015	100	100

Technical data

Product code	Type	Weight kg/km	Standard delivery length m	Drum size	Copper content	Tensile force N	Minimum bending radius mm	Storage
1002335 CT2758000	VA 14	87	1000	650/200/470	33	165	90	inside