



hybrid cable - AV

5 x video + 3 x audio - long transmission distances

- video (HD-SDI, YC, RGBHV, Composite)
- balanced audio (2x 0.22 mm²)
- very high bandwidth for high resolution video beamers and monitors
- version in PVC or FRNC (CV5A3H)
- ideal for fixed and temporary installations

sale

PVC

This hybrid cable is designed to transmit RGBHV video signals (or five-channel HD-SDI, YC or analogue CVBS composite) plus three audio channels across extremely long distances. It is used by systems and installation companies for fixed installations such as video projector connections. Three of the five video channels, designed for RGB, have a solid copper conductor 1.0 mm in diameter and thus offer ultra-low attenuation. The two additional coaxial connections for transmitting low-frequency HV synchronization signals also have 0.60 mm-diameter solid conductors. They are each enclosed in physically foamed PE dielectric medium with double screening of AL composite layer plus extra-densely braided tinned copper. The audio elements have a solid copper conductor and foil shield. Although the standard version of the CV5/A3 has PVC jackets the cable is also available in a PVC-free version in which all jackets are of FRNC (Flame Retardant Non Corrosive) material - definitely a vital advantage in installation applications.

hybrid

twisting	3x video V10/48AF (RGB) + 2x video V06/28AF (HS, VS) + 3x audio
taping	fleece
outer jacket	PVC or FRNC
overall diameter	20.0 mm

audio cable

cond. construction	solid tinned copper wire, Ø 0.50 mm
cond. cross section	20.0 mm ²
insulation	PE
core arrangement	2 cores twisted to a pair
shielding	AL/PET foil + tinned drain wire, Ø 0.5 mm
outer jacket	PVC resp. LSZH, grey, red, blue, Ø 2.7 mm
conductor resistance	< 95 Ω/km
capacitance	95 pF/m
insulation resistance	> 10 GΩ x km

video cable (1)

type	V1.0/4.8AF
inner conductor	solid bare copper, Ø 1.0 mm
insulation	Foam-Skin PE, Ø 4.8 mm
shielding	AL/PET/AL double-layer foil + tinned copper braid (95% coverage)
outer jacket	PVC resp. LSZH, red, green, blue, Ø 7.0 mm
characteristic impedance	75 Ω
capacitance	57 pF/m
velocity of propagation	83 %
conductor resistance	21.8 Ω/km
shield resistance	5.8 Ω/km
nom. attenuation [dB/100m]	
1 MHz	0.8
5 MHz	1.6
10 MHz	2.1
100 MHz	6.2
200 MHz	8.9
500 MHz	14.6
800 MHz	18.5
1000 MHz	20.9
1500 MHz	26.0

video cable (2)

type	V0.6/2.8AF
inner conductor	solid bare copper, Ø 0.60 mm
insulation	Foam-Skin PE, Ø 4.8 mm
shielding	AL/PET/AL double-layer foil + tinned copper braid (95% coverage)
outer jacket	PVC resp. LSZH, black, white, Ø 4.5 mm
characteristic impedance	75 Ω
capacitance	61 pF/m
conductor resistance	60.5 Ω/km
shield resistance	12.8 Ω/km
nom. attenuation [dB/100m]	
1 MHz	1.2
5 MHz	2.7
10 MHz	3.8
100 MHz	11.0
200 MHz	15.3
500 MHz	25.0
800 MHz	31.8
1000 MHz	35.6
1500 MHz	43.6

order code	included cable types	outer jacket	cable color	weight kg/m
CV5A3H	5x video + 3x audio	FRNC	black	0.49
CV5A3Y	5x video + 3x audio	PVC	black	0.45

technical specifications are subject to change