

GABREAL GAV 7508 PVC

Application

GAV 7508 PVC video cable meets the all requirements of the Broadcast installations for HDTV and SDI high-definition video in spite of its reduced diameter. The inner conductor insulation is made of a special gas-injected dielectric HDPE which guarantees a very low capacitance value. For analog and digital signal transmission.

Construction

Conductor	0,81 mm solid bare copper wire
Insulation	Ø3,70 ± 0,05 mm Gas-injected Foam
1 st Screening	AL-PES foil %100
2 nd Screening	Tinned copper wire braiding, cov. approx. 95%
Outer sheath	Ø5,80 ± 10% mm PVC compaund (loose tube)
Outer Sheath color	RAL 9005 BLACK

Marking

GABREAL GAV 7508 PVC 75±1 OHM LOT CE 0001 m

Electrical properties (at 20 ° C, unless otherwise stated)

Impedance	75 Ω
Nominal capacitance	56 pF/m
Velocity propagation	82%
Inner Conductor DC resistance	<35,0 Ω/km
Shield DC resistance	<10,0 Ω/km

Attenuation (dB/100 m)

Frequency (MHz)	Attenuation (dB/100m)
1	0,9
10	2,9
30	4,4
100	7,9
800	22,8
1000	25,5
1500	32
2250	39,5
3000	47,5

Transmission Distance (Mb/s)

Frequency (MHz)	Attenuation (dB/100m)
143	430
177	410
270	330
360	290
1,5 Gb/s (HD)	94
3 Gb/s	66

Mechanical and thermal properties

Temperature range	-30°C to +70°C
Installation temperature	-5°C to +50°C
Min. bending radius	10 x Cable diameter

Other properties

Flame retardant	IEC 60332-1-2
CE, RoHS compliant	Yes
Cable weight	55 kg/km