

HDTV - SDI VIDEO INSTALLATION CABLE mod. 7XVD59RHD



The 7XVD59RHD coaxial video cable meets all the 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 foam plastic polymer which guarantees a very low capacitance value. This is key to maintaining low damping values on high frequency interconnections even in case of lengthy connections.

The double shielding is made up of tinned copper braid and aluminum foil. It ensures a high level of protection from external noises such as electromagnetic interference (EMI).

The flexible flame retardant PVC outer sheath, makes the cable very easy to handle while maintaining low signal loss in longer distance transmissions.

- Conductor: Solid bare OFC 1 x 0,81 mm - 20 AWG
- Conductor Jacket: Ø 3,75 mm foam-polyolefin
- Shield 1: aluminium foil 100% coverage
- Shield 2: tinned OFC braid 90% coverage
- External Jacket: Grey
- Overall diameter: Ø 6,20 mm
- Capacitance: (800 ÷ 1200 Hz) 53 nF/Km ± 5%
- Electrical resistance (20°C): Inner conductor 36 Ω/Km
- Nominal impedance: 75 Ω ± 3
- Velocity of propagation: 84%

Frequency (MHz)	5	50	100	200	470	742	862	1000	1485	1750	2150	2227	3000
Attenuation (dB/100m)	1.9	5.7	7.9	11.0	17.1	21.6	22.9	24.8	31.9	34.1	38.8	39.9	47.5

HDTV VIDEO INSTALLATION CABLE mod. 7XVD59HDTV



This SYNTAX® halogen free video coax cable 75 Ω is designed for HDTV high performance applications. The inner conductor insulator is made of a special foam plastic polymer to guarantee a very low value of capacitance also for great length connections.

The first shield (made of red OFC braid) and the second screen (made with tinned OFC braid) guarantee a great protection from external noises. A further aluminum foil shield is placed between the other two and forms a fire-proof barrier. hh

All materials used to produce the cable, have been chosen to comply with the main safety regulations, namely with the following standards:

- IEC 332-3C fire resistant coaxial cable;
- IEC 754-1 amount halogen acid gasses;
- IEC 754-2 acidity of gasses;
- IEC 1034/1 & 2 smoke density;
- NF x 70/100 gas toxicity.

- Conductor: Solid bare OFC 1x0,81mm - 20 AWG
- Conductor Jacket: Ø 3,70 mm foam-polyolefin
- Shield 1: red OFC braid 85% coverage
- Shield 2: fire-proof aluminium foil
- Shield 3: tinned OFC braid 85% coverage
- External jacket: Polymer LSZH yellow - UV proof
- Overall diameter: Ø 6.20 mm
- Capacitance (800 ÷ 1200 Hz): 60 nF/Km
- Resistance of insulation (20°C, 500V): > 10 GΩ/Km
- Electrical resistance (20°C): Inner conductor < 36 Ω/Km
- Electrical resistance (20°C): Screen < 8 Ω/Km
- Nominal impedance: 75 Ω ± 3
- Test voltage: 7000 Vcc x 1 min
- Velocity of propagation: 79%
- Operating temperature: -15° +70° C

Frequency (MHz)	1	3.6	10	71.5	135	270	360	540	720	750	1000	1500	2000	3000
Attenuation (dB/100m)	0.75	1.50	2.40	6.50	9.10	13.10	15.30	19.20	22.70	23.20	27.50	35.40	41.60	52.80