

## VIDEO CABLE HD-SDI

DIGITAL

UHDTV

FLEX



## GAV 7510F HD

### CONSTRUCTION DATA

|                        |   |
|------------------------|---|
| <b>Inner conductor</b> | 7x0,36 mm Ø (AWG 19) Stranded Bare Copper |
| <b>Insulation</b>      | 4.57 mm Ø Gas-injected Foam               |
| <b>Shielding 1st</b>   | Tinned Copper Braiding % 93               |
| <b>Shielding 2 nd</b>  | Tinned Copper Braiding % 93               |
| <b>Outer Jacket</b>    | Pvc                                       |
| <b>Outer Diameter</b>  | 7,01 mm Ø                                 |
| <b>Cable Weight</b>    | 75 Kg/Km                                  |

### ELECTRICAL DATA

|                                 |   |
|---------------------------------|---|
| <b>DC resistance</b>            | < 28 Ω / km (Inner conductor)<br>< 6 Ω / km / km (Shield) |
| <b>Mutual capacitance</b>       | 56 pF / m   |
| <b>Velocity of Propagation</b>  | 80%   |
| <b>Characteristic Impedance</b> | 75 Ω ± 1  |
| <b>Screening factor</b>         | ≥ 100 dB  |
| <b>Max. Operating Voltage</b>   | 300 V Rms   |
| <b>Attenuation (db /100 Mt)</b> | Return loss (dB)  |

| Frequency (MHz) | Attenuation(db /100 Mt) | Frequency (MHz) | (dB) |
|-----------------|-------------------------|-----------------|------|
| 1               | 0,79                    | 50 – 300        | ≥ 26 |
| 10              | 1,78                    | 300 – 3000      | ≥ 22 |
| 30              | 1,81                    | 3000 – 3500     | ≥ 18 |
| 100             | 2,75                    | 3500 – 5000     | ≥ 15 |
| 270             | 3,9                     |                 |      |
| 540             | 7,92                    |                 |      |
| 720             | 10,89                   |                 |      |
| 800             | 19,3                    |                 |      |
| 1000            | 23,43                   |                 |      |
| 1500            | 27,7                    |                 |      |
| 2000            | 35                      |                 |      |
| 2250            | 44,22                   |                 |      |
| 3000            | 52,47                   |                 |      |

### MECHANICAL DATA

|                               |                             |
|-------------------------------|-----------------------------|
| <b>Minimum bending radius</b> | 8 x D ( D= outer diameter ) |
| <b>Temperature range</b>      | -25° C to +70° C            |

### APPLICATION

Gabriel 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 gas-injected dielectric HDPE which guarantees a very low capacitance value.

For analogue and digital video signals transmission

ISO9001 CERTIFIED



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