**SAT 28810 ZH**

**BROADCASTING VIDEO CABLE**

ANALOG, DIGITAL RECEPTION (SDI-SDV-SDTI-HDTV)

COMPLIANCE IEC 60754-1  IEC 60754-2  IEC 61034-2

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**Mechanical Data**

A **INNER CONDUCTOR**

PLAIN COPPER ........................................... ø 0,60 mm

B **DIELECTRIC**

GAS INJECTED SKIN FOAM SKIN POLYETHYLENE ø 2,80 ± 0,10 mm

C **SHELL**

ALUMINUM + POLYESTER + ALUMINUM TAPE h. 12 mm

- COVERAGE ........................................... 100%

D **BRAID**

TINNED COPPER ........................................... 128 x 0,10 mm

- COVERAGE ........................................... 91%

E **SHEATH**

FLAME RETARDANT NON-CORROSIONS THERMOPOLYMER FREE OF HALOGENS ø 4,50 ± 0,10 mm

- COLOUR GREEN - RAL 6018

MINIMUM BENDING RADIUS (mm)

- SINGLE ø EXTERNAL X 5
- REPEATED ø EXTERNAL X 10

TEMPERATURE RANGE -30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

- COPPER 12,5
- PLASTIC 14,2
- TOTAL 27,7

**Electrical Properties at 20°C**

**IMPEDANCE** 75 ± 3 Ohm

**RESISTANCE**

- INNER CONDUCT. 62 OhmKm
- BRAID 17,5 OhmKm

**CAPACITANCE** 56 pF/m

**TENSION**

- SHEATH 3,0 kV

**VELOCITY RATIO** 80%

**Spark Testing**

**ATTENUATIONS dB/100 m**

<table>
<thead>
<tr>
<th>Frequency (MHz)</th>
<th>5</th>
<th>10</th>
<th>50</th>
<th>100</th>
<th>200</th>
<th>300</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2.6</td>
<td>3.3</td>
<td>7.3</td>
<td>9.9</td>
<td>13.7</td>
<td>16.9</td>
</tr>
<tr>
<td></td>
<td>470</td>
<td>600</td>
<td>800</td>
<td>862</td>
<td>1000</td>
<td>1350</td>
</tr>
<tr>
<td></td>
<td>21.4</td>
<td>24.8</td>
<td>28.4</td>
<td>30.0</td>
<td>32.9</td>
<td>38.2</td>
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<tr>
<td></td>
<td>1500</td>
<td>1750</td>
<td>2150</td>
<td>2400</td>
<td>2750</td>
<td>3000</td>
</tr>
<tr>
<td></td>
<td>41.1</td>
<td>44.1</td>
<td>49.7</td>
<td>53.6</td>
<td>58.0</td>
<td>61.0</td>
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</table>

**STRUCTURAL RETURN LOSS dB**

<table>
<thead>
<tr>
<th>Transfer Frequency (MHz)</th>
<th>30</th>
<th>470</th>
<th>862</th>
<th>2150</th>
<th>3000</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>&gt;33</td>
<td>&gt;27</td>
<td>&gt;21</td>
<td>&gt;17</td>
<td></td>
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</tbody>
</table>

**SCREENING EFFECTIVENESS dB EN 50117 STANDARD**

<table>
<thead>
<tr>
<th>Transfer Frequency (MHz)</th>
<th>5</th>
<th>30</th>
<th>1000</th>
<th>2000</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>&lt;5</td>
<td>&lt;5</td>
<td>&lt;85</td>
<td>&lt;75</td>
</tr>
<tr>
<td></td>
<td>&lt;17</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TRANSFER IMPEDANCE** 5 ÷ 30 MHz

5 ÷ 1000 MHz   >85 dB

1000 ÷ 2000 MHz >75 dB

2000 ÷ 3000 MHz >65 dB

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The producer reserves himself to make modifications on the item without any notice.

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Order number 050281

Class CPR Eca

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**Cu** **PEG** **LTA** **CS** **LSZH**

ø 0,60 mm

ø 2,80 mm

ø 2,90 mm

ø 3,30 mm

ø 4,50 mm

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