



RoHS  
COMPLIANT  
2002/95/EG

# Messi & Paoloni srl

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TYPE **INTSAT 220 ELITE**

## CONSTRUCTION DATA

|                       |     |             |                          |              |   |
|-----------------------|-----|-------------|--------------------------|--------------|---|
| Inner Conductor       | 1 x | Ø mm        | <b>Cu</b><br><b>2,20</b> | ± 0,01 mm    | → |
| Dielectric            |     |             | <b>PEG</b>               |              | → |
| Physical Expansion    |     |             |                          |              | → |
| Triple Layer          |     | Ø mm        | <b>9,9</b>               | ± 0,1 mm     | → |
| Ext. Screen (tape)    |     |             | <b>Cu-Pol</b>            |              | → |
| Screening Percentage  |     |             | <b>100 %</b>             |              | → |
| Number of Wires       |     | <b>Tot.</b> | <b>144</b>               |              | → |
| Second Screen (Braid) |     |             | <b>Cu</b>                |              | → |
| Screening Percentage  |     |             | <b>56 %</b>              |              | → |
| External Sheath       |     |             | <b>PE</b>                | <b>BLACK</b> | → |
| External Diameter     |     | Ø mm        | <b>12,7</b>              | ± 0,2 mm     | → |



Minimum Bending Radius (one bend) Outer/Inner **0 / 150**

## ELECTRICAL DATA

|                                   |  |                            |
|-----------------------------------|--|----------------------------|
| Characteristic Impedance Ohm ± 3  |  | <b>75</b>                  |
| Capacitance pF/m. ± 2             |  | <b>52</b>                  |
| Velocity Ratio                    |  | <b>85 %</b>                |
| Attenuation (at 20° C.)           | MHz.   | <b>5 dB/100 m. 0,4</b>     |
|                                   | MHz.   | <b>50 dB/100 m. 1,8</b>    |
|                                   | MHz.   | <b>200 dB/100 m. 4,1</b>   |
|                                   | MHz.   | <b>470 dB/100 m. 6,7</b>   |
|                                   | MHz.   | <b>860 dB/100 m. 9,4</b>   |
|                                   | MHz.   | <b>1000 dB/100 m. 10,4</b> |
|                                   | MHz.   | <b>1750 dB/100 m. 14,9</b> |
|                                   | MHz.   | <b>2050 dB/100 m. 16,5</b> |
|                                   | MHz.   | <b>2150 dB/100 m. 16,7</b> |
|                                   | MHz.   | <b>2400 dB/100 m. 17,8</b> |
|                                   | MHz.   | <b>3000 dB/100 m. 21,6</b> |
| Structural Return Loss between    | 30-300 MHz. dB                                   | <b>&gt; 32</b>             |
|                                   | 300-600 MHz. dB                                  | <b>&gt; 30</b>             |
|                                   | 600-900 MHz. dB                                  | <b>&gt; 28</b>             |
| Screening efficiency              | 100-300 MHz. dB                                  | <b>&gt; 75</b>             |
|                                   | 300-600 MHz. dB                                  | <b>&gt; 75</b>             |
|                                   | 600-990 MHz. dB                                  | <b>&gt; 75</b>             |
| Inner conductor resistance Ohm/Km |  | <b>5</b>                   |
| Outer conductor resistance Ohm/Km |  | <b>8,5</b>                 |
| Sheath Spark Testing kV           |  | <b>8</b>                   |
| STANDARD Packing Type & Metres    |  | <b>B500</b>                |
| Other Packings Type & Metres      |  |                            |
| Connectors 'F' water proof        |  | <b>D006-FM</b>             |
| Connectors '5/8' water proof      |  | <b>D006-5/8</b>            |
| With reference to Norms           | CEI 46/13 (Cable TV installations)               | ✓                          |
|                                   | CEI 12/15 (Cables for centralised systems)       | ✓                          |
|                                   | EN 50117 (Cable networks)                        | ✓                          |
|                                   | CEI 46/1 (Construction parameters of the cables) | ✓                          |

Legend: (\*) B500 = 500m wooden druns