



# Messi & Paoloni srl

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TYPE **DIGISAT IK12 ELITE (RG 11)**

## CONSTRUCTION DATA

Inner Conductor	1 x	Ø mm	<b>Cu</b> <b>1,63</b>	± 0,01 mm	→
Dielectric			<b>PEG</b>		→
Physical Expansion					
Triple Layer		Ø mm	<b>7,30</b>	± 0,1 mm	→
Ext. Screen (tape)			<b>AL-POL-AL***</b>		→
Screening Percentage			<b>100 %</b>		
Number of Wires	<b>Tot.</b>		<b>128</b>		
Second Screen (Braid)			<b>Sn</b>		→
Screening Percentage			<b>65 %</b>		
External Sheath			<b>PE</b>	<b>BLACK</b>	
External Diameter		Ø mm	<b>10,10</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.	5 dB/100 m.	<b>0,9</b>
	MHz.	50 dB/100 m.	<b>2,8</b>
	MHz.	200 dB/100 m.	<b>5,6</b>
	MHz.	470 dB/100 m.	<b>8,6</b>
	MHz.	860 dB/100 m.	<b>12,2</b>
	MHz.	1000 dB/100 m.	<b>13,1</b>
	MHz.	1750 dB/100 m.	<b>18,5</b>
	MHz.	2050 dB/100 m.	<b>19,0</b>
	MHz.	2150 dB/100 m.	<b>19,7</b>
	MHz.	2400 dB/100 m.	<b>21,9</b>
	MHz.	3000 dB/100 m.	<b>23,5</b>
	Structural Return Loss between	30-300 MHz.	dB
300-600 MHz.		dB	<b>&gt; 30</b>
600-900 MHz.		dB	<b>&gt; 30</b>
Screening efficiency	100-300 MHz.	dB	<b>&gt; 85</b>
	300-600 MHz.	dB	<b>&gt; 85</b>
	600-990 MHz.	dB	<b>&gt; 90</b>
Inner conductor resistance Ohm/Km			<b>7,8</b>
Outer conductor resistance Ohm/Km			<b>10,5</b>
Sheath Spark Testing kV			<b>8</b>
STANDARD Packing Type & Metres			<b>BP200</b>
Other Packings Type & Metres			<b>B500</b>
Connectors 'F' water proof			<b>B004-FM</b>
Connectors '5/8' water proof			<b>B004-5/8</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: (\*) BP200 = 200m Plastic bobbins  
B500 = 500m wooden drums