



# Messi & Paoloni srl

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**TYPE DIGISAT 523 ELITE**

## CONSTRUCTION DATA

Inner Conductor	1 x	Ø mm	<b>Cu</b> <b>1,00</b>	± 0,01 mm	→
Dielectric			<b>PEG</b>		→
Physical Expansion					
Triple Layer		Ø mm	<b>4,3</b>	± 0,1 mm	
Ext. Screen (tape)			<b>AL-POL-AL***</b>		→
Screening Percentage			<b>100 %</b>		
Number of Wires		<b>Tot.</b>	<b>144</b>		
Second Screen (Braid)			<b>AL</b>		→
Screening Percentage			<b>86 %</b>		
External Sheath			<b>PVC</b>	<b>WHITE</b>	
External Diameter		Ø mm	<b>6</b>	± 0,2 mm	→



Minimum Bending Radius (one bend) Outer/Inner **60 / 30**

## 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>1,3</b>	
	MHz.	50 dB/100 m.	<b>4,4</b>	
	MHz.	200 dB/100 m.	<b>8,2</b>	
	MHz.	470 dB/100 m.	<b>13,4</b>	
	MHz.	860 dB/100 m.	<b>18,6</b>	
	MHz.	1000 dB/100 m.	<b>20,2</b>	
	MHz.	1750 dB/100 m.	<b>27,3</b>	
	MHz.	2050 dB/100 m.	<b>29,8</b>	
	MHz.	2150 dB/100 m.	<b>30,6</b>	
	MHz.	2400 dB/100 m.	<b>32,5</b>	
	MHz.	3000 dB/100 m.	<b>36,7</b>	
Structural Return Loss between	30-300 MHz.	dB	<b>&gt; 33</b>	
	300-600 MHz.	dB	<b>&gt; 32</b>	
	600-900 MHz.	dB	<b>&gt; 30</b>	
Screening efficiency	100-300 MHz.	dB	<b>&gt; 100</b>	
	300-600 MHz.	dB	<b>&gt; 100</b>	
	600-990 MHz.	dB	<b>&gt; 105</b>	
Inner conductor resistance Ohm/Km			<b>22,4</b>	
Outer conductor resistance Ohm/Km			<b>11,6</b>	
Sheath Spark Testing kV			<b>4</b>	
STANDARD Packing Type & Metres			<b>AR100</b>	
Other Packings Type & Metres		<b>AR150</b>	<b>BP250</b>	<b>BP500</b>
Connectors 'F' Screw Type			<b>C.TV.F.M.6</b>	
Connectors 'F' Compression Type			<b>CMP 59</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: (\*) AR100 = 100m ARIANNA refills  
 AR150 = 150m ARIANNA refills  
 BP500 = 500m Plastic bobbin