



RoHS COMPLIANT 2002/95/EG

# Messi & Paoloni srl

Via G. Conti N°1 - 60131 Ancona - Italy  
Tel. +39 071 2861527 Fax +39 071 2861736  
Internet: www.messi.it e-mail info@messi.itTYPE **INTSAT 110 ELITE**

## CONSTRUCTION DATA

Inner Conductor	1 x	Ø mm	<b>Cu</b> <b>1,16</b>	± 0,01 mm	→
Dielectric			<b>PEG</b>		→
Physical Expansion					→
Triple Layer		Ø mm	<b>5,0</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>80 %</b>		→
External Sheath			<b>PE</b>	<b>BLACK</b>	→
External Diameter		Ø mm	<b>6,9</b>	± 0,2 mm	→



Minimum Bending Radius (one bend)	Outer/Inner	<b>80</b>
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## 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>1,0</b>
	MHz. 50 dB/100 m. <b>3,6</b>
	MHz. 200 dB/100 m. <b>6,6</b>
	MHz. 470 dB/100 m. <b>11,0</b>
	MHz. 860 dB/100 m. <b>15,6</b>
	MHz. 1000 dB/100 m. <b>17,0</b>
	MHz. 1750 dB/100 m. <b>23,3</b>
	MHz. 2050 dB/100 m. <b>25,6</b>
	MHz. 2150 dB/100 m. <b>26,2</b>
	MHz. 2400 dB/100 m. <b>27,8</b>
	MHz. 3000 dB/100 m. <b>31,6</b>
Structural Return Loss between	
	30-300 MHz. dB <b>&gt; 35</b>
	300-600 MHz. dB <b>&gt; 30</b>
	600-900 MHz. dB <b>&gt; 27</b>
Screening efficiency	
	100-300 MHz. dB <b>&gt; 90</b>
	300-600 MHz. dB <b>&gt; 102</b>
	600-990 MHz. dB <b>&gt; 105</b>
Inner conductor resistance Ohm/Km	<b>16</b>
Outer conductor resistance Ohm/Km	<b>10,5</b>
Sheath Spark Testing kV	<b>6</b>
STANDARD Packing Type & Metres	<b>AR100</b>
Other Packings Type & Metres	<b>B500</b>
Connectors 'F' water proof	<b>A025-FM</b>
Connectors '5/8' water proof	<b>A025-5/8</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: (\*) AR100 = 100m ARIANNA refills  
B500 = 500m wooden drums