



# Messi & Paoloni srl

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TYPE **BROAD-PRO 50**

## CONSTRUCTION DATA

Inner Conductor	1 x	Ø mm	<b>Cu</b> <b>2,70</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>cu-pol</b>	My 20-23-0	<b>h. 27 mm</b> →
Screening Percentage			<b>100 %</b>		
Number of Wires	<b>6 x 24 x 0,12</b>		<b>Tot. 144</b>		
Second Screen (Braid)			<b>Cu</b>		→
Screening Percentage			<b>65 %</b>		
External Sheath			<b>PVC BLACK</b>		
External Diameter		Ø mm	<b>10,30</b>	± 0,2 mm	→



Minimum Bending Radius (one bend) Outer/Inner **100 / 70**

## ELECTRICAL DATA

Characteristic Impedance Ohm ± 3			<b>50 ± 3</b>
Capacitance pF/m. ± 2			<b>78</b>
Velocity Ratio			<b>82 %</b>
Attenuation (at 20° C.)	MHz.		
		<b>50 dB/100 m.</b>	<b>2,6</b>
		<b>200 dB/100 m.</b>	<b>5,4</b>
		<b>400 dB/100 m.</b>	<b>7,9</b>
		<b>600 dB/100 m.</b>	<b>9,7</b>
		<b>800 dB/100 m.</b>	<b>11,5</b>
		<b>1000 dB/100 m.</b>	<b>13,0</b>
		<b>1500 dB/100 m.</b>	<b>16,8</b>
		<b>1750 dB/100 m.</b>	<b>19,0</b>
		<b>2050 dB/100 m.</b>	<b>20,3</b>
		<b>2150 dB/100 m.</b>	<b>20,7</b>
		<b>2400 dB/100 m.</b>	<b>22,7</b>
Structural Return Loss between	30-300 MHz.	dB	<b>&gt; 30</b>
	300-600 MHz.	dB	<b>&gt; 25</b>
	600-900 MHz.	dB	<b>&gt; 20</b>
Screening efficiency	100-300 MHz.	dB	<b>&gt; 80</b>
	300-600 MHz.	dB	<b>&gt; 80</b>
	600-990 MHz.	dB	<b>&gt; 85</b>
Inner conductor resistance Ohm/Km			<b>3,2</b>
Outer conductor resistance Ohm/Km			<b>9,2</b>
Sheath Spark Testing kV			<b>4</b>
STANDARD Packing Type & Metres			<b>B500</b>
Other Packings Type & Metres			<b>B1000</b>