



RoHS  
COMPLIANT  
2002/95/EG

# Messi & Paoloni srl

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TYPE **RG 214A/U**

## CONSTRUCTION DATA

Inner Conductor	<b>7 x</b>	Ø mm	<b>Ag4</b> <b>0,75</b>	± 0,01 mm	→
Dielectric			<b>PE</b>		
Physical Expansion					→
Triple Layer		Ø mm	<b>7,25</b>	± 0,1 mm	→
Number of Wires		<b>Tot.</b>	<b>144</b>		→
First Screen (Braid)			<b>Ag4</b>		
Screening Percentage			<b>96,1</b>	%	
Number of Wires		<b>Tot.</b>	<b>168</b>		
Second Screen (Braid)			<b>Ag4</b>		→
Screening Percentage			<b>97,8</b>	%	
External Sheath			<b>PVC</b>	<b>BLACK</b>	→
External Diameter		Ø mm	<b>10,8</b>	± 0,2 mm	



Minimum Bending Radius (one bend) Outer/Inner **120 / 60**

## ELECTRICAL DATA

Characteristic Impedance Ohm ± 3		<b>50 ± 3</b>
Capacitance pF/m. ± 2		<b>101</b>
Velocity Ratio		<b>66</b> %
Attenuation (at 20° C.)		
	MHz.	<b>50 dB/100 m. 5,6</b>
	MHz.	<b>200 dB/100 m. 11,6</b>
	MHz.	<b>400 dB/100 m. 17,2</b>
	MHz.	<b>600 dB/100 m. 21,8</b>
	MHz.	<b>800 dB/100 m. 25,7</b>
	MHz.	<b>1000 dB/100 m. 28,8</b>

Structural Return Loss between	30-300	MHz. dB	<b>&gt; 30</b>
	300-600	MHz. dB	<b>&gt; 30</b>
	600-900	MHz. dB	<b>&gt; 25</b>

Screening efficiency	100-900	MHz. dB	<b>&gt; 75</b>
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Inner conductor resistance Ohm/Km	<b>6,1</b>
Outer conductor resistance Ohm/Km	<b>3,1</b>
Sheath Spark Testing kV	<b>8KV</b>

STANDARD Packing Type & Metres **BP500**

Other Packings Type & Metres **BP100**

Connectors BNC crimp type

Connectors BNC to solder

Legend: (\*) BP500 = 500m drums  
BP100 = 100m drums