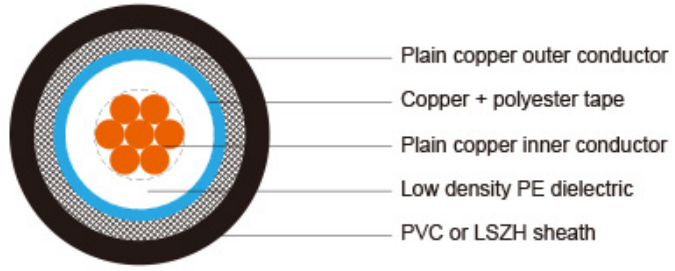


RG 8 LLC



Construction

<b>Inner conductor</b>	Plain copper	7X0.75 mm
<b>Dielectric</b>	Gas injected foam PE	7X0.75 mm
<b>Outer conductor (shield1 )</b>	Copper + polyester tape	
<b>Shield coverage</b>		100%
<b>Outer conductor (shield 2)</b>	Tinned copper	128 x 0.10mm
<b>Shield coverage</b>		57%
<b>Sheath</b>	PVC or LSZH	Φ10.40±0.18mm

Electrical & Mechanical Characteristics

<b>Impedance</b>	50±3 Ohm
<b>Nominal capacitance</b>	100 pF/m
<b>Velocity of propagation</b>	66%
<b>Insulation resistance</b>	>2000 Mohm.Km
<b>Inner conductor resistance</b>	3.2 Ohm/Km
<b>Outer conductor resistance</b>	13 Ohm/Km
<b>Operating temperature range</b>	-30 °C - +70 °C
<b>Copper weight</b>	45.3 Kg/Km
<b>Cable weight (approx.)</b>	137.9 Kg/Km
<b>Screening effectiveness</b>	>80 dB

Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
----------------	------------------------	------------------------

50	3.7	1.13
100	5.4	1.65
400	11.7	3.57
600	14.6	4.45
860	18.1	5.52
1000	19.6	5.98
1750	28.8	8.78
2400	35.1	10.7

## Return Loss

<b>30-300 MHz</b>	>30dB
<b>300-600 MHz</b>	>27dB
<b>600-900 MHz</b>	>23dB