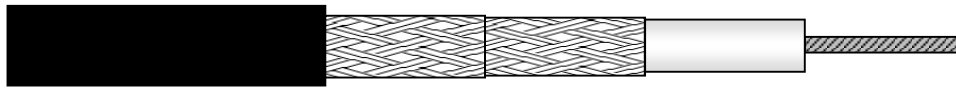




**RG 214/U**



	Units	Nominal
<b>INNER CONDUCTOR</b>		
Material	-	silver-covered copper wire
Construction	-	7 x 0,75 mm
Diameter	mm	2.25
<b>DIELECTRIC</b>		
Material	-	solid polyethylene
Diameter	mm	7.25
<b>OUTER CONDUCTOR</b>		
Material	-	silver-covered copper wire
Construction	-	double braid
Diameter over outer conductor	mm	8.6
<b>OUTER SHEATH</b>		
Material	-	black PVC
Overall diameter	mm	10.8

<b>ELECTRICAL CHARACTERISTICS</b>			
Characteristic impedance		$\Omega$	50 +/- 2
Capacity		pF/m	100
Relative propagation velocity (velocity ratio)		%	66
DC-resistance of inner conductor		$\Omega/km$	6
DC-resistance of outer conductor		$\Omega/km$	4.2
<b>Longitudinal attenuation at 20°C</b>			
	a =	-	0.639
	b =	-	0.00604
	5 MHz	dB/100m	1.46
	25 MHz	dB/100m	3.35
	50 MHz	dB/100m	4.82
	145 MHz	dB/100m	8.57
	200 MHz	dB/100m	10.24
	300 MHz	dB/100m	12.88
	435 MHz	dB/100m	15.95
	900 MHz	dB/100m	24.61
	1250 MHz	dB/100m	30.14
	1500 MHz	dB/100m	33.81
	1700 MHz	dB/100m	36.61
	1800 MHz	dB/100m	37.98
	2200 MHz	dB/100m	43.26
	2400 MHz	dB/100m	45.80
	2500 MHz	dB/100m	47.05

<b>MECHANICAL CHARACTERISTICS</b>			
Bending radius	- Minimum ( 1 x )	cm	5

