



# DATA SHEET

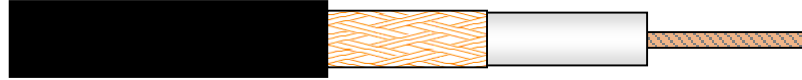
## RG coaxial cable

Kabelwerk | **EUPEN** AG

RG 213/U - Rev. 1 - 20.03.07

**cable**

### RG 213/U



	Units	Nominal
<b>INNER CONDUCTOR</b>		
Material	-	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	-	copper wires
Construction	-	single braid
Diameter over outer conductor	mm	8.0
<b>OUTER SHEATH</b>		
Material	-	black PVC
Overall diameter	mm	10.3

<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	$\Omega/km$	4.5
<b>Longitudinal attenuation at 20°C</b>		
a =	-	0.616
b =	-	0.00492
5 MHz	dB/100m	1.40
25 MHz	dB/100m	3.20
50 MHz	dB/100m	4.60
145 MHz	dB/100m	8.13
200 MHz	dB/100m	9.70
300 MHz	dB/100m	12.15
435 MHz	dB/100m	14.99
900 MHz	dB/100m	22.91
1250 MHz	dB/100m	27.93
1500 MHz	dB/100m	31.24
1700 MHz	dB/100m	33.76
1800 MHz	dB/100m	34.99
2200 MHz	dB/100m	39.72
2400 MHz	dB/100m	41.99
2500 MHz	dB/100m	43.10

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



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