



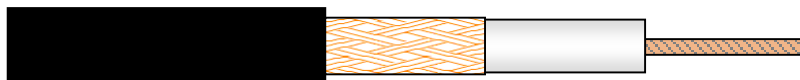
DATA SHEET

RG coaxial cable

Kabelwerk | **EUPEN** AG
cable

RG 213/U - Rev. 1 - 20.03.07

RG 213/U



	Units	Nominal
INNER CONDUCTOR		
Material	-	copper wire
Construction	-	7 x 0.75 mm
Diameter	mm	2.25
DIELECTRIC		
Material	-	solid polyethylene
Diameter	mm	7.25
OUTER CONDUCTOR		
Material	-	copper wires
Construction	-	single braid
Diameter over outer conductor	mm	8.0
OUTER SHEATH		
Material	-	black PVC
Overall diameter	mm	10.3
ELECTRICAL CHARACTERISTICS		
Characteristic impedance	Ω	50 +/- 2
Capacity	pF/m	100
Relative propagation velocity (velocity ratio)	%	66
DC-resistance of inner conductor	Ω /km	6
DC-resistance of outer conductor	Ω /km	4.5
Longitudinal attenuation at 20°C		
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
MECHANICAL CHARACTERISTICS		
Bending radius	- Minimum (1 x)	cm 5



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