



DATA SHEET

RG coaxial cable

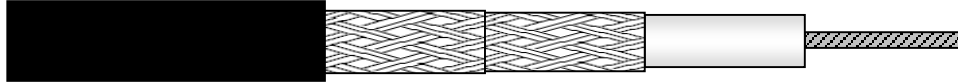
Kabelwerk

EUPEN AG

RG 214/U - Rev. 1 - 20.03.07

cable

RG 214/U



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

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	3.1
Longitudinal attenuation at 20°C		
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

MECHANICAL CHARACTERISTICS		
Bending radius	- Minimum (1 x)	cm 5



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