



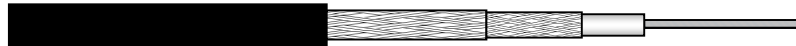
DATA SHEET

RG coaxial cable

Kabelwerk | **EUPEN** AG
cable

RG 223/U - Rev. 1 - 20.11.15

RG 223/U



	Units	Nominal
INNER CONDUCTOR		
Material	-	silver-covered copper wire
Construction	-	1 x
Diameter	mm	0.9
DIELECTRIC		
Material	-	solid polyethylene
Diameter	mm	2.95
OUTER CONDUCTOR		
Material	-	silver-covered copper wire
Construction	-	double braid
Diameter over outer conductor	mm	4.0
OUTER SHEATH		
Material	-	black PVC
Thickness	mm	0.7
Overall diameter	mm	5.4
ELECTRICAL CHARACTERISTICS		
Characteristic impedance	Ω	50 +/- 2
Capacity	pF/m	100
Relative propagation velocity (velocity ratio)	%	66
DC-resistance of inner conductor	Ω/km	28
DC-resistance of outer conductor	Ω/km	8
Longitudinal attenuation at 20°C		
	a =	- 1.343
	b =	- 0.006447
	c =	- -0.873
	5 MHz	dB/100m 2.2
	25 MHz	dB/100m 6.0
	50 MHz	dB/100m 9.0
	145 MHz	dB/100m 16.2
	200 MHz	dB/100m 19.4
	300 MHz	dB/100m 24.3
	435 MHz	dB/100m 29.9
	900 MHz	dB/100m 45.2
	1250 MHz	dB/100m 54.7
	1500 MHz	dB/100m 60.8
	1700 MHz	dB/100m 65.5
	1800 MHz	dB/100m 67.7
	2200 MHz	dB/100m 76.3
	2400 MHz	dB/100m 80.4
	2500 MHz	dB/100m 82.4
MECHANICAL CHARACTERISTICS		
Bending radius	- Minimum (1 x)	cm 2.5

ISO
Certified
Company

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