

TECHNICAL DATA SHEET

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RG223 COAXIAL CABLE

MODEL: PELB0483

APPLICATION

The RG223 coaxial cable, with silver-plated copper conductor, silver-plated copper braid and shield, is used for communication and signal control systems.



CONSTRUCTION

Conductor	Material	Silver-plated copper
	OD	0.9mm
Insulation	Material	Solid PTFE
	OD	2.95mm
Shield 1	Material	Silver-plated copper
	Stranding	112/0.1mm
Shield 2	Material	Silver-plated copper
	Stranding	112/0.1mm
Jacket	Material	PVC
	OD	5.3mm
	Colour	Black
Packaging	Reel	100m

CHARACTERISTICS AT 20°C

Conductor DC Resistance	$\leq 27.1\Omega/\text{km}$
Insulation DC Resistance @ 500V	$\geq 1,500\text{M}\Omega/\text{km}$
Rated Voltage	24V
Impedance	50 Ω
Capacitance	101pF/m
Velocity Ratio	66%
Permissible Temperature	-10°C to +60°C

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ATTENUATION

Frequency (MHz)	10	50	100	200	500	800	1,000
Attenuation (db/100m)	5.1	10.7	14.1	20.8	31.5	41.4	47.9

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