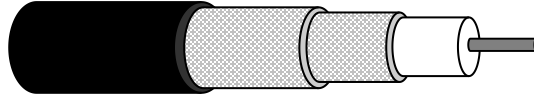




# RG142B Flexible High Temperature Cable



## CONSTRUCTION

Inner conductor	Silver-plated Copper Clad Steel	$\Phi 0.94 \pm 0.01\text{mm}$
Insulation	Solid PTFE	$\Phi 2.95 \pm 0.10\text{mm}$
Outer conductor	Silver-plated Copper Braiding (Dual)	$\Phi 3.95 \pm 0.10\text{mm}$
Jacket	FEP	$\Phi 4.95 \pm 0.15\text{mm}$

## MECHANICAL PROPERTIES

Minimum Bending Radius	mm	25
Operation Temperature	°C	-55~+200

## ELECTRICAL PROPERTIES

Impedance	$\Omega$	50±2
Capacitance	pF/m	96.1
Propagation velocity	%	69.5
Operating Voltage	kV <sub>RMS</sub>	1.4
Dielectric Withstanding Voltage	kV <sub>RMS</sub>	5.0
Corona Extinction Voltage	kV <sub>RMS</sub>	1.9
Max. operating Frequency	GHz	12.4

## TRANSMISSION PROPERTIES

Frequency	Nom. attenuation
MHz	@20°C, dB/m
100	0.13
400	0.26
1000	0.42
3000	0.78
5000	1.05

Maximum attenuation value shall be 105% of the nominal attenuation value

## STANDARDS

2011/65/EU

Compliant