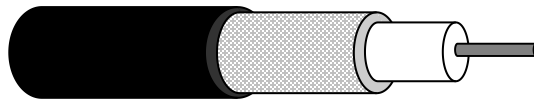


# PRODUCT SPECIFICATION

## Flexible High Temperature Cable

### RG178

#### FIGURE



#### CONSTRUCTION

Inner conductor	Silver-plated Copper Clad Steel	$7 \times \Phi 0.102\text{mm}$
Insulation	Solid PTFE	$\Phi 0.86 \pm 0.05\text{mm}$
Outer conductor	Silver-plated Copper Braiding	$\Phi 1.30 \pm 0.05\text{mm}$
Jacket	FEP	$\Phi 1.83 \pm 0.10\text{mm}$

#### MECHANICAL PROPERTIES

Minimum Bending Radius	mm	10
Operation Temperature	°C	-55~+200

#### ELECTRICAL PROPERTIES

Impedance	$\Omega$	$50 \pm 2$
Capacitance	pF/m	104.96
Propagation velocity	%	69.5
Operating Voltage	kV <sub>RMS</sub>	0.75
Dielectric Withstanding Voltage	kV <sub>RMS</sub>	2.0
Corona Extinction Voltage	kV <sub>RMS</sub>	1.0
Max. operating Frequency	GHz	3.0

#### TRANSMISSION PROPERTIES

Frequency	Nom. attenuation
MHz	@20°C, dB/m
100	0.45
400	0.91
1000	1.46
3000	2.57

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

#### STANDARDS

2011/65/EU

Compliant