

PRODUCT SPECIFICATION

Semi-rigid High Temperature Cable

RG401

FIGURE



CONSTRUCTION

Inner conductor	Silver-plated Copper	$\Phi 1.63 \pm 0.02\text{mm}$
Insulation	Solid PTFE	$\Phi 5.27 \pm 0.10\text{mm}$
Outer conductor	Copper tube	$\Phi 6.35 \pm 0.15\text{mm}$

MECHANICAL PROPERTIES

Minimum Bending Radius	mm	22.23
Operation Temperature	°C	-55~+200

ELECTRICAL PROPERTIES

Impedance	Ω	50±2
Capacitance	pF/m	97.09
Propagation velocity	%	69.5
Operating Voltage	kV _{RMS}	3.0
Dielectric Withstanding Voltage	kV _{RMS}	7.5
Corona Extinction Voltage	kV _{RMS}	3.0
Max. operating Frequency	GHz	18

TRANSMISSION PROPERTIES

Frequency	Nom. attenuation
MHz	@20°C, dB/m
500	0.16
1000	0.23
5000	0.58
10000	0.89

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

STANDARDS

2011/65/EU

Compliant