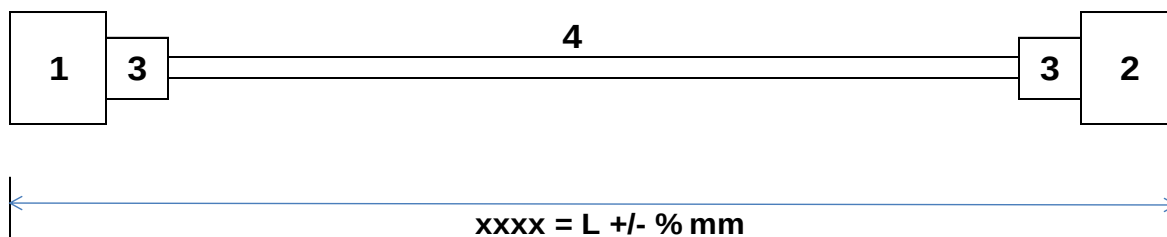


Flexible Coaxial Cable Assembly

RG 142 SMA straight plug / SMA right angle plug

308-0315-xxxxA



List Nomenclature

1. SMA straight plug connector	A01077
2. SMA right angle plug connector	A01097
3. Black Protective Sleeve	A20007
4. Coaxial Cable	A91051 (RG142B/U)

Electrical Specifications

Impedance	:	50 $\pm$ 2 Ohms
Operating Frequency	:	DC to 8 GHz
Velocity of Propagation	:	70%
Voltage Withstand	:	1500 Veff

Insertions Losses

Frequency (MHz)	500	1500	3000	6000	8000
Insertions Losses max (dB/m)	0,48	0,73	1,06	1,65	1,97

Mechanical Specifications

Inner Conductor	Solid	$\varnothing = 0,94 \text{ mm}$ (0,04 inches)
Dielectric	PTFE	$\varnothing = 2,95 \text{ mm}$ (0,12 inches)
Braid 1	CuAg	$\varnothing = 3,54 \text{ mm}$ (0,14 inches)
Braid 2	CuAg	$\varnothing = 4,10 \text{ mm}$ (0,16 inches)
Jacket	FEP	$\varnothing = 4,95 \text{ mm}$ (0,19 inches)

Environmental Specifications

Operating Temperature Range	:	-55°C à +150°C
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Conditions of delivery

Mechanical check	:	Length
Electrical test	:	Continuity / Rigidity