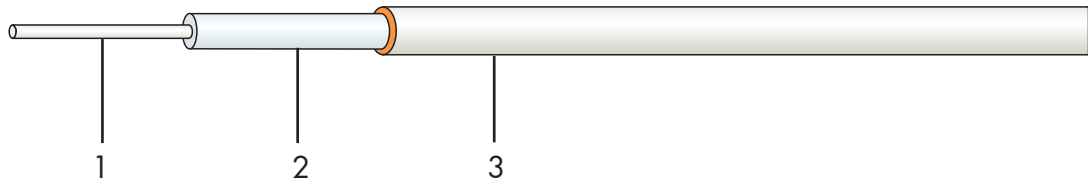


SEMI RIGID **EZ 47-TP/M17** (M17/151-00002)

Order code 22810504

Cable design



	Description	Material	Diameter
1. Centre conductor	Solid silver-plated copper clad-steel wire	StCuAg	0.29 mm
2. Dielectric	Solid PTFE	PTFE	0.94 mm
3. Outer conductor	Seamless copper tubing, tin-plated	Cu-TP	1.19 mm

Electrical cable data

Impedance			50 Ohm
Operating frequency			20 GHz
Capacitance			105 pF/m
Velocity of propagation			69.5 %
Time delay			4.8 ns/m
Nom. attenuation*	coefficient a	1.04044	coefficient b 0.03967
Max. attenuation*	coefficient a	1.24853	coefficient b 0.04760
Max. operating voltage			1.0 kVrms
Min. screening effectiveness up to 18 GHz			120 dB

*Attenuation calculation

$$\alpha_{25} = a \cdot \sqrt{f}(\text{GHz}) + b \cdot f(\text{GHz}) \quad (\text{dB/m})$$

General cable data

Temperature range	-40...+100 °C
Weight	0.71 kg/100m
Min. bending radius static	3.18 mm
Min. bending radius dynamic	n/a

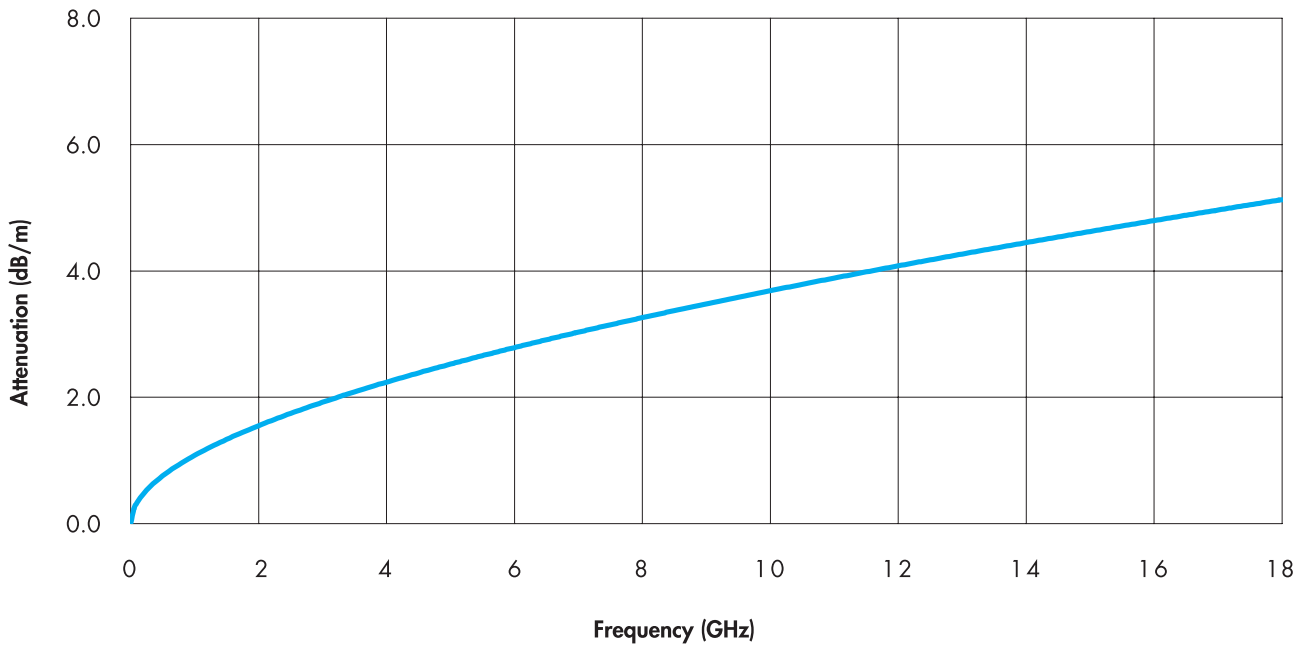
Suitable connectors

Cable group (please refer to pages 39 ff)	Y2
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SEMI RIGID EZ 47-TP/M17

Cable attenuation

Nominal values @ +25 °C ambient temperature



Power handling

Maximum values @ +40 °C ambient temperature and sea level

