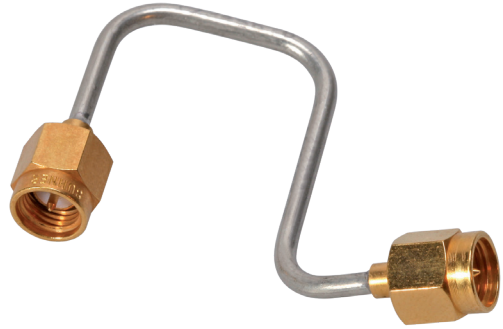


# Semi-rigid

The aluminium form stable microwave cable

## Product description

The semi-rigid cable is unique in that it is easily bent to finished shape and still maintains its set after bending. This property makes it ideal for use with automated bending equipment as well as hand forming by bending tools.



## Product features

- Impedance 50 Ω
- Applicable up to 67 GHz
- Excellent VSWR performance
- Easy to form, strip and solder, making for convenient installation
- Small sizes permit use in high-density areas

## Recommended connectors

EZ_47	MMCX, MCX, SMA, SK
EZ_86	MCX, MMCX, SMA, PC3.5, SK, QMA, TNC, N
EZ_118	SK
EZ_141	SMA, PC3.5, QMA, TNC, N, QN
EZ_250	SMA, N, 7/16
	Other connectors available on request.

## Construction



Cable	Inner conductor ①	Dielectric ②	Outer conductor ③	Outer diameter mm	Screening effectiveness up to 18 GHz dB
EZ_47_AL_TP_M17	StCuAg Wire	PTFE	AlSn tube	1.2	> 90
EZ_86_AL_TP_M17	StCuAg Wire	PTFE	AlSn tube	2.2	> 90
EZ_141_AL_TP_M17	StCuAg Wire	PTFE	AlSn tube	3.6	> 90
EZ_250_AL_TP_M17	CuAg Wire	PTFE	AlSn tube	6.4	> 90

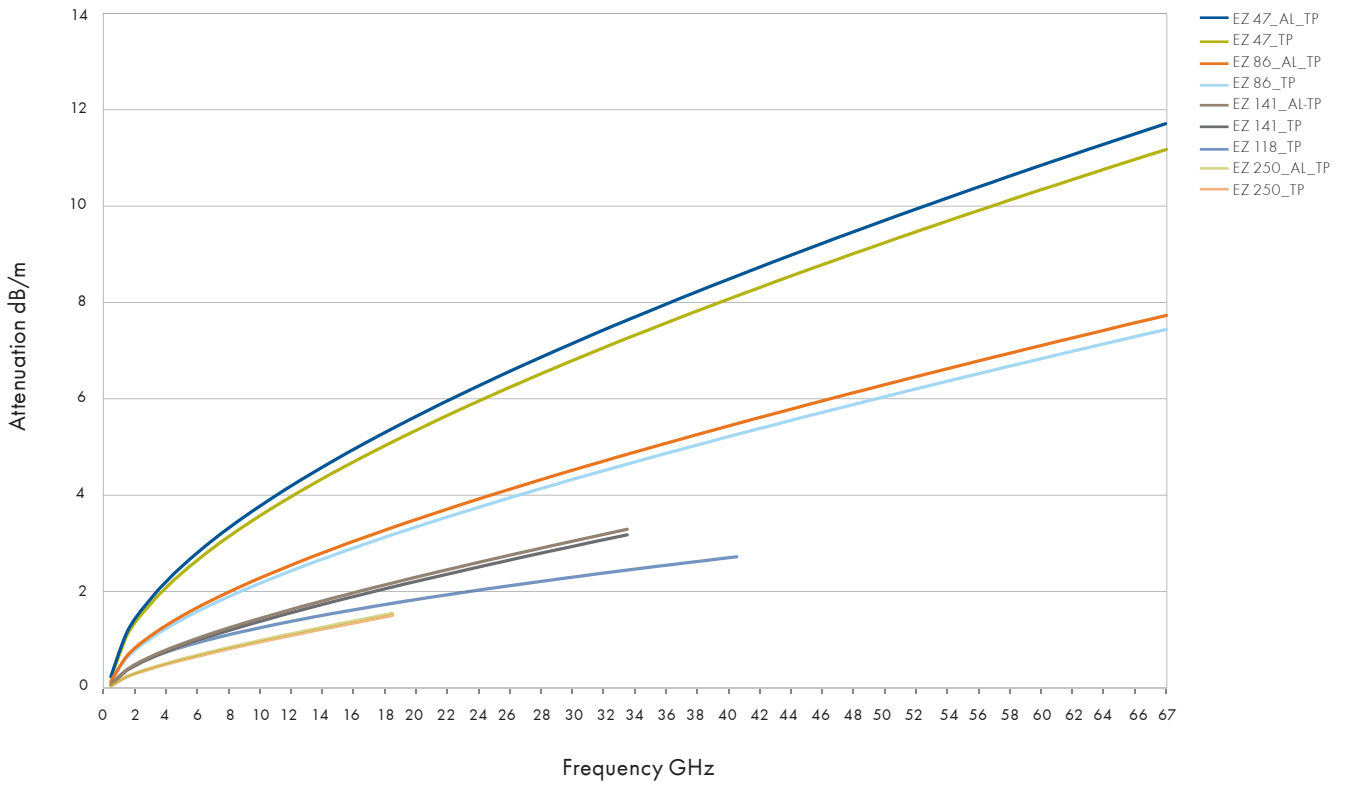
Other semi rigid cables available on request (e.g. other impedances, other conductor materials).  
Standard form of bulk delivery = 100 ft coils (30.48 m), shorter lengths on request.

## Technical data

Cable	Item no.	Max. operating frequency	Velocity of propagation	Weight g/m	Min. bending radius		Temperature range °C
		GHz	%		static mm	repeated mm	
EZ_47_AL_TP_M17	22810510	67	69.5	3.1	1.27	n/a	-40 to +100
EZ_86_AL_TP_M17	22810167	67	69.5	11.9	1.78	n/a	-40 to +125
EZ_141_AL_TP_M17	22810015	33	69.5	30.5	3.18	n/a	-40 to +125
EZ_250_AL_TP_M17	22810708	18	69.5	88.6	19.0	n/a	-40 to +90

# Semi-rigid

Attenuation (nominal values at +25 °C ambient temperature)



Formstable assemblies

Power handling (maximum values at 25 °C ambient temperature and sea level)

