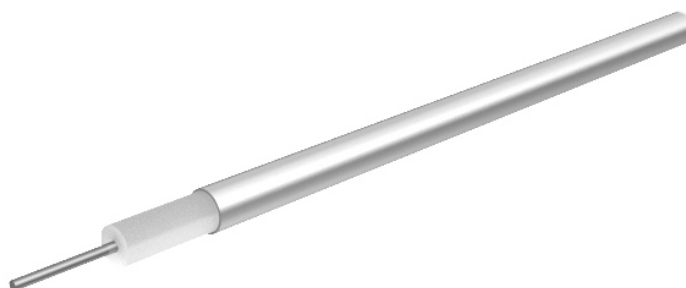


Formable microwave cable EZ_90_25_TP

Description

Semi-rigid: Semi-rigid, formable microwave cables

25 Ohm, 43 GHz, 125°C, ø2.29 mm, no jacket



Technical Data

Construction

	Material	Detail	Diameter
Centre conductor	Copper, Silver plated	Wire	1.02 mm
Dielectric	PTFE (Polytetrafluoroethylene)		1.85 mm
Outer conductor	Copper, Tin plated	Tube, 100%	2.29 mm

Electrical Data

Impedance	25 Ω +/- 2
Operating Frequency	43 GHz
Velocity of signal propagation	70 %
Screening effectiveness	≥ 120 dB (up to 18 GHz)
Operating voltage	≤ 0.5 kV _{rms} (at sea level)
Test voltage	1 kV _{rms} (50 Hz/1 min)

Mechanical Data

Weight	2.4 kg/100 m
Min. bending radius	static repeated 3.18 mm

Environmental Data

Temperature range	-55 °C ... +125 °C
Halogen free	No
2011/65/EU (RoHS)	compliant
2006/1907/EC (REACH)	compliant
2000/53/EC (ELV)	compliant
2012/19/EU (WEEE)	no special marking needed

Additional Information

Ordering Information

Order as	EZ_90_25_TP
----------	-------------

Remarks

(For details refer to the HUBER+SUHNER RF CABLES GENERAL CATALOGUE or contact your nearest HUBER+SUHNER partner)

Suitable Connectors

Cable group	U99 Customer Specific
-------------	-----------------------

Formable microwave cable EZ_90_25_TP

Matrix typical Attenuation [formula: $(a \cdot f^{0.5} + b \cdot f)$] and maximum Power CW [formula: $(p/f^{0.5})$]

Coefficients:

a =	b =	f _{max} = 43	P at 1GHz = 160
-----	-----	-----------------------	-----------------

Frequency (GHz)	Nom. attenuation (dB / m)	Nom. attenuation (dB / ft)	Max. CW power (W)
	sea level 25° C ambient temperature	sea level 25° C ambient temperature	sea level 40° C ambient temperature
2,15			109
4,3			77
6,45			63
8,6			55
10,75			49
12,9			45
15,05			41
17,2			39
19,35			36
21,5			35
23,65			33
25,8			31
27,95			30
30,1			29
32,25			28
34,4			27
36,55			26
38,7			26
40,85			25
43,0			24