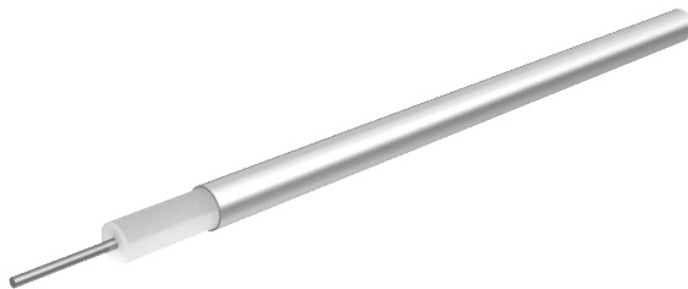


Formable microwave cable EZ_34_25_TP

Description

SEMI RIGID, the formstable microwave cable



Technical Data

Construction

	Material	Detail	Diameter
Centre conductor	Steel, Copper+Silver plated	Wire	0.36 mm
Dielectric	PTFE (Polytetrafluoroethylene)		0.66 mm
Outer conductor	Copper, Tin plated	Tube, 100%	0.86 mm

Electrical Data

Impedance	25 Ω +/- 3
Operating Frequency	125 GHz
Velocity of signal propagation	70.5 %
Screening effectiveness	≥ 120 dB (up to 18 GHz)

Mechanical Data

Weight	0.4 kg/100 m
Min. bending radius	static repeated 2.54 mm

Environmental Data

Temperature range	-55 °C ... +150 °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_34_25_TP
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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
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Matrix typical Attenuation [formula: $(a \cdot f^{0.5} + b \cdot f)$] and maximum Power CW [formula: $(p/f^{0.5})$]

Coefficients:

a = 1.96155

b = 0.011999

f_{max} = 125

P at 1GHz = 5.4

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
6,25	4,98	1,517	2
12,5	7,09	2,159	2
18,75	8,72	2,657	1
25,0	10,11	3,081	1
31,25	11,34	3,456	1
37,5	12,46	3,798	1
43,75	13,5	4,114	1
50,0	14,47	4,410	1
56,25	15,39	4,690	1
62,5	16,26	4,955	1
68,75	17,09	5,209	1
75,0	17,89	5,452	1
81,25	18,66	5,686	1
87,5	19,4	5,912	1
93,75	20,12	6,132	1
100,0	20,82	6,344	1
106,25	21,49	6,551	1
112,5	22,16	6,753	1
118,75	22,8	6,949	0
125,0	23,43	7,141	0