



**Material and Dimensions**

Jacket	Light Blue FEP	Ø 1.60 mm
Screen	Tin-dipped SPC braid	Ø 1.19 mm
Dielectric	PTFE	Ø 0.94 mm
Center conductor	Silver plated copper-clad steel	Ø 0.28 mm
Rosenberger cable group	70	

**Electrical data**

Impedance	50 Ω ± 1.5 Ω
Frequency	DC to 95 GHz
Insertion loss	see table
Power	see table
Signal delay	1.45 ns/m
Velocity of propagation	70 %
Working voltage	max. 1000 V rms
Shielding Effectiveness	≤ - 100 dB 1 GHz to 18 GHz

**Mechanical data**

Weight	6.9 g/m
Minimum bend radius	2.54 mm

**Attenuation and Power rating**

Attenuation and average power rating are typical values at 20°C ambient temperature and sea level.

Frequency (MHz)	Attenuation (dB/m)	Power (W)
100	0.42	N/A
200	0.59	N/A
300	0.73	N/A
500	0.94	90
1000	1.35	65
2000	1.94	45
3000	2.40	35
5000	3.15	25
10000	4.59	9
15000	5.75	6
20000	6.77	N/A
25000	7.69	N/A
40000	10.13	N/A

**Environmental data**

Temperature range	- 65 °C to + 200 °C
RoHS	compliant

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Martin Moder	08.01.13	Roland Neuhauser	20.11.13	b00	13-1355	Manuela Fuehrich	20.11.13

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