



**Material and Dimensions**

Jacket	FEP, blue	Ø 1.42 mm
Braid	Silver plated copper	Ø 1.12 mm
Foil	Flat silver plated copper	Ø N/A mm
Dielectric	FEP	Ø 0.92 mm
Center conductor	silver plated copper wire	Ø 0.29 mm
Rosenberger cable group	70	

**Electrical data**

Impedance	50 Ω ± 1.0 Ω
Frequency	DC to 108 GHz
Insertion loss	see table
Power	see table
Capacitance	95pF/m
Velocity of propagation	70 %
Working voltage	max. 300 V rms
Shielding Effectiveness	≤ - 100 dB up to 1 GHz

**Mechanical data**

Weight	5.2 g/m
Minimum bend radius:	
Single	5 mm
Multiple	10 mm

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**Attenuation and Power rating**

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

Frequency (MHz)	Attenuation (dB/1m)	Power (W)
500	0.8	61
1000	1.15	41
2000	1.7	30
4000	2.6	20
8000	3.9	13
12000	4.6	10
18000	5.9	8
20000	6.1	NA
30000	7.7	NA
40000	9.3	NA
50000	11.0	NA

**Environmental data**

Temperature range  
RoHS

- 65 °C to + 200 °C  
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	18.11.13	b00	13-1219	Manuela Fuehrich	18.11.13