



Material and Dimensions

Jacket	FEP, blue tint	Ø 2.57 mm +/- 0.13mm
Braid	Silver plated copper braid	Ø 2.18 mm +/- 0.05mm
Foil	Flat silver plated copper	Ø N/A mm
Dielectric	FEP	Ø 1.65 mm +/- 0.026mm
Center conductor	Silver plated copper wire solid	Ø 0.51 mm +/- 0.0051mm
Rosenberger cable group	71	

Electrical data

Impedance	50 Ω ± 1.0 Ω
Frequency	DC to 60 GHz
Insertion loss	see table
Power	see table
Capacitance	95pF/m
Velocity of propagation	70 %
Shielding Effectiveness	≤ - 90 dB at 1 GHz
Dielectric Withstanding Voltage	1500 Vrms Ref.

Mechanical data

Weight	19.35 g/m
Minimum bend radius:	
Single	7.6 mm
Multiple	15 mm

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF_35/05:10/6.0

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	0.53	168
1000	0.79	117
2000	1.12	80
4000	1.58	55
8000	2.30	37
10000	2.62	NA
12000	2.88	32
18000	3.64	23
20000	3.87	NA
30000	5.00	NA
40000	6.00	NA
50000	7.00	NA

Environmental data

Temperature range
RoHS

- 65 °C to + 165 °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
J. Gramsamer	06.05.02	Erich Schwangler	28.04.16	d00	16-0671	Markus Wallner	28.04.16

Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel. : +49 8684 18-0 Fax : +49 8684 18-499 Email : info@rosenberger.de		Page 2 / 2	
--	--	--	--	---	--	---------------	--