



Material and Dimensions

Jacket	PVC, lead-free, jade gray	Ø 0.110 ± 0.002 (2.80± 0.05 mm)
Third Shield	Tin plated copper braid	Ø 0.083 (2.11 mm)
Second Shield	Tin plated copper braid	Ø 0.065 (1.65 mm)
First Shield	Aluminium Polyester Tape	Ø 0.047 (1.19 mm)
Dielectric	PTFE	Ø 0.042 ± 0.002 (1.07± 0.05 mm)
Center conductor	28 AWG 7/36 SPC	Ø 0.015 ± 0.001 (0.38± 0.025 mm)
Print	Rosenberger RTK 028 lot number (Textintervals about 500mm)	

Electrical data

Impedance	50 Ω ± 2 Ω
Frequency	DC to 5 GHz
Insertion loss	see table
Velocity of propagation	70 %
RF-leakage	≤ -110 dB
Capacitance	28.7 pF/ft (94 pF/m)

Mechanical data

Minimum bend radius:	0.5 inch (12.7 mm)
Conductor Adhesion	≥ 1 lb/3" (4.45 N / 76mm)
Jacket Adhesion	≥ 3 lb/3" (13.3 N / 76mm)

Attenuation and Power rating

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

Frequency (MHz)	Attenuation dB/ft (dB/m)
1000	≤ 0.333 (1.09)
2000	≤ 0.480 (1.57)
3000	≤ 0.594 (1.95)
4000	≤ 0.693 (2.27)
5000	≤ 0.711 (2.33)

Environmental data

Temperature range - 40°C to + 105°C

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
Armin Maiwalder	21/06/12	Levente Szabo	21/06/12	400	12_0004	Armin Maiwalder	12/06/12

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