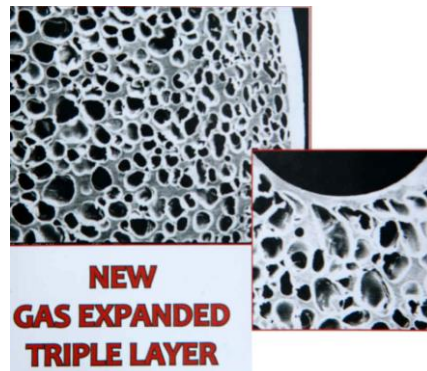


**HIGHFLEXX 7**  
a new 50 Ohm coax cable Ø 7 mm

<b>HIGHFLEXX 7</b>	a new 7 mm coax cable (50 Ohm) – as soft as Irish butter in July
<b>HIGHFLEXX 7</b>	our product which is suited not only for mobile and portable applications
<b>HIGHFLEXX 7</b>	a coax cable extremely highly screened
<b>HIGHFLEXX 7</b>	is a coax cable projected for the frequencies between DC and 6 GHz. This new product can be used for receivers and transceivers of wireless telecommunication as well as for any electronic installations.
<b>HIGHFLEXX 7</b>	can be used for turnable antennas (yagies e.g.)
<b>HIGHFLEXX 7</b>	is UV resistant
<b>HIGHFLEXX 7</b>	is due to its small bending radius of less than 35 mm an ideal cable for liftable antenna towers.
<b>HIGHFLEXX 7</b>	is due to its high screening (> 105 dB bis 2000 MHz) an optimal cable for the use in laboratories as well in hams' shack or any closed rooms.
<b>HIGHFLEXX 7</b>	is available on spools with maximal length of 2000 m.



The foto below shows the mechanical structure of the gas expanded TL (triple layer) technology.



The difficulty does not lie in making a triple layer dielectric, but in closing and sealing the perfectly homogeneous foam, with its alveolar structure and sophisticated mechanics, between two protective layer (skins).

<b>Cable-construction</b>	
Center conductor	Copper 19x0,38 mm, Ø 1,85 mm ± 0,05
Dielektric	triple layer, Ø 5,0
Outerconductor 1	CU-foil-PET **
Outerconductor 2	CU-braid, optical coverage 83% 144 CU-wires
Shield	PVC high flexible, Ø 7,3 mm, UV-resistant
Weight	70 kg / km
Colour	black

\*\* CU-foil-PET = Copper foil plastic coated The plastic coat makes sure that the CU-foil does not tear when bending in a small radius.

<b>Mechanical characteristics:</b>	
Bending radius	34 mm
Temperature	in use: -45°C bis +70°C
	installation: -15°C bis +55°C

<b>Electrical characteristics:</b>		
DC resistor	outer conductor	9,8 Ω / km
	center conductor	7,3 Ω / km
Capacity	71 pF / m	
Velocity factor	83%	
Impedance	50 Ω	
Peak voltage	Shield (Sparktest) 4 kV	
Screening efficiency	100 - 900 MHz >105 dB	

<b>typ. attenuation, powerrating and return loss @ 20°C</b>			
<b>frequency MHz</b>	<b>attenuation dB / 100 m</b>	<b>power rating Watt</b>	<b>return loss dB</b>
	<b>nominal</b>	<b>maximal</b>	
1,8	0,60	3400 Watt	0 - 600
3,5	0,90	3160 Watt	MHz
7,0	1,20	2800 Watt	≥ 30
10	1,60	2510 Watt	
14	2,10	2260 Watt	
21	2,60	1890 Watt	
28	3,00	1650 Watt	
50	4,00	1150 Watt	600 - 1200
100	5,80		MHz
144	6,90	530 Watt	> 25
200	8,20		
400	11,80		
430	12,30	150 Watt	
800	17,10		
1000	19,30		
1200	21,30	290 Watt	1200-2000
2400	32,30		MHz
3000	36,20		≥ 20
4000	43,67		
5000	49,33		
6000	54,67		

**Händleranfragen für unsere Produkte erwünscht.  
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