

# LEONI Dacar 031

50 Ω

HF coaxial cables

LEONI LOW LOSS physical foamed



## Construction

<b>Conductor</b>	stranded E-Cu wire, bare, 7 x 0.27	Ø 0.81 mm
<b>Dielectric</b>	cellulose polyethylene (cellulose PE)	Ø 21
	physical foaming with inner and outer skin	
<b>Shield 1</b>	polyester film, aluminium lined on both sides	
	Cover 100 %	Ø 2.15 mm
<b>Shield 2</b>	E-Cu braid, tin-plated,	
	opt. cover nom. 92 %	Ø 2.65 mm
<b>Sheath</b>	polyvinyl chloride (PVC), lead-free,	
	insulation thickness ~ 0.3 mm	Ø 3.2 mm



## Electrical properties

<b>Characteristic impedance</b>	50 ± 3 Ω
<b>Capacity at 1 kHz</b>	max. 85 pF/m
<b>Conductor impedance at 20 °C</b>	max. 48.5 Ω/km
<b>Velocity of propagation</b>	77 %

## Temperature range

<b>Operating temperature</b>	- 40 °C to +80 °C
<b>Transport and storage</b>	- 40 °C to +80 °C

## Mechanical properties

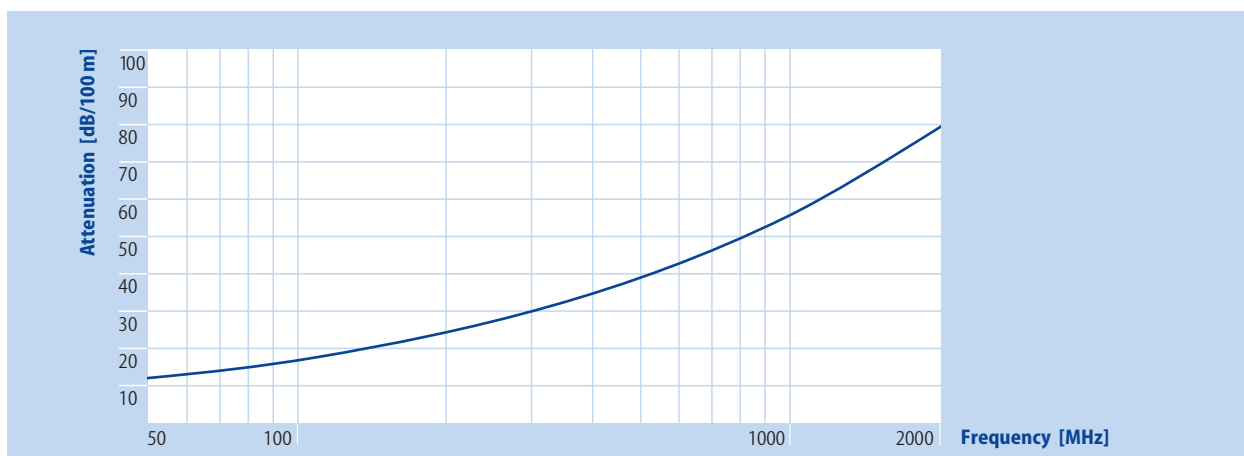
<b>Conductor weight</b>	~ 23 kg/km
<b>Bending radius</b>	15 x outer diameter

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Frequency [MHz]	50	100	500	1000	2000
Attenuation [dB/100 m]	12	17	39	56	80

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