

Boa-flex II

The high power, low loss microwave coaxial cable assemblies

Product description

Boa-flex II cables utilise a microporous PTFE dielectric for low loss with minimal phase change due to temperature changes and flexure. Typical velocity is 77 % of the speed of light. All offer very low loss and are extremely stable with flexure.

Product features

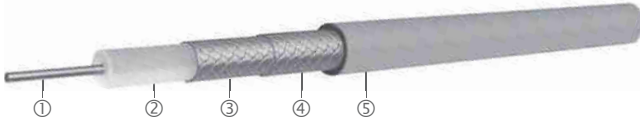
- Impedance 50 Ω
- Applicable up to 14 GHz
- Low density PTFE for superior electrical performance
- Helical wrapped outer conductor for increased electrical performance
- Exceptional phase and IL stability with flexure
- Excellent phase versus temperature characteristics
- Preferred for phase matching and tracking applications



Recommended connectors

32071	TNC, N, SC
	Others available

Construction



Cable	Inner conductor ①	Dielectric ②	Outer conductor ③	Outer braid ④	Outer braid ⑤	Outer diameter mm
32071	CuAg strand	PTFE microporous	CuAg tape	CuAg	FEP, translucent amber	9.5

Technical data

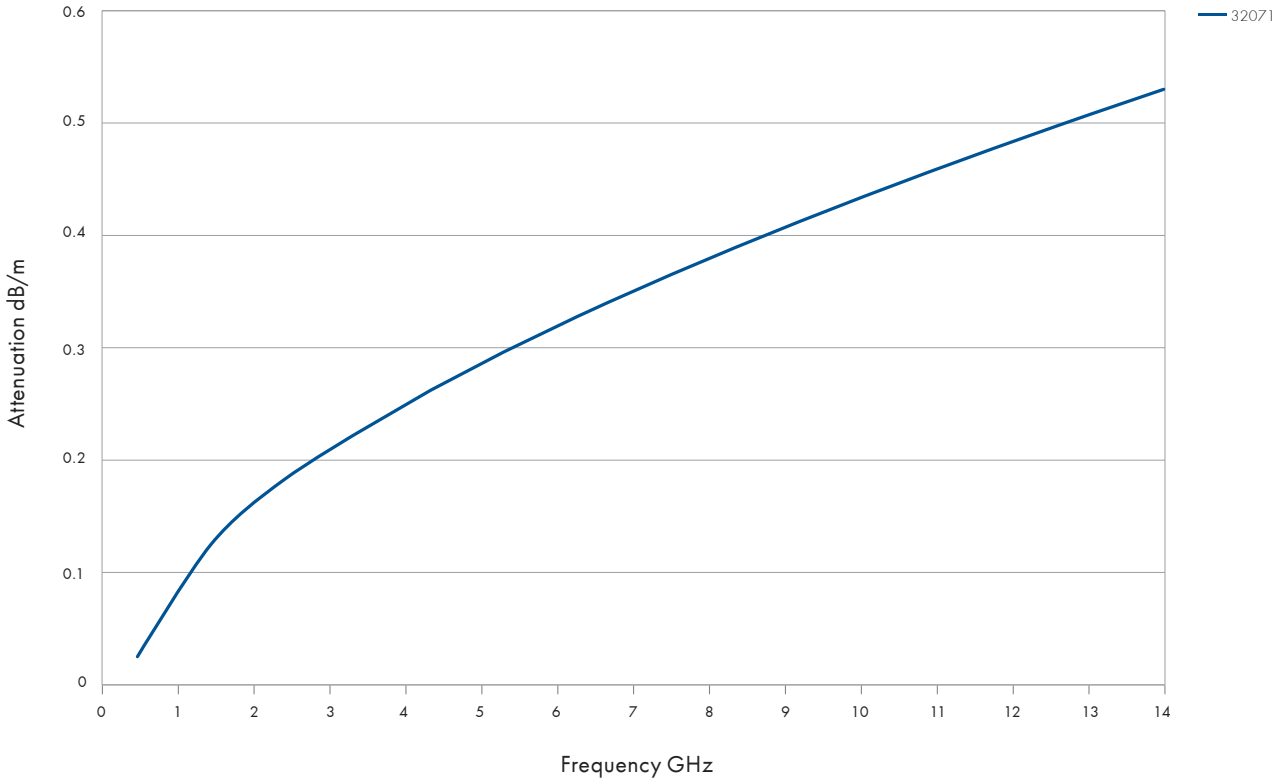
Cable	Item no.	Max. operating frequency	Velocity of propagation	Weight g/m	Min. bending radius		Temperature range °C
		GHz	%		static mm	repeated mm	
32071	80310956	14	77.8	208.3	50.8	101.6	-55 to +200

Available connectors

Connector	Series, pattern	HUBER+SUHNER type	Cable	Operating frequency GHz	Item no.
TNC	straight cable plug	29614-32-71	32071	10	80318585
N	straight cable plug	29602-32-71		12.4	80318491
	straight cable jack	29601-32-71		12.4	80318466
	straight bulkhead cable jack	29636-32-71		12.4	80340623
SC	straight cable plug	29608-32-71		10	80318547

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Attenuation (nominal values at +25 °C ambient temperature)



Power handling (maximum values at 25 °C ambient temperature and sea level)

