

HUBER+SUHNER® MINI250™HB Cable Information

Description

- Stock delivery on standard lengths
- Quint-shielded design to help protect the solderless junction
- Halar® ECTFE Outer Jacket for excellent radiation resistance, up to 200 Mrad or 2 MGy
- MINI250™HB is applicable up to 26.0 GHz for SMA, and 18 GHz for TNC
- 20% lighter than the existing MINI250™ H cable!

What is it? MINI250™HB is for payload integration cabling, helping transmit antenna signals while providing the ability to complete long runs between cable subsystems. What's different about this iteration – the **MINI250™HB** – is that it employs a Halar® ECTFE Outer Jacket **which improves radiation resistance**. In space, there is no protective atmosphere to shield solutions from cosmic radiation, solar flares, and other sources of high-energy radiation.

Connections that are radiation-resistant can withstand these high levels of radiation and are better able to withstand placement in space. This can be important for the success of long-term space missions, where the need to be able to withstand and function in high levels of radiation present in this environment is paramount.



MINI250™HB – Available Cable Connectors

Compatible Connectors (Other connectors may be made available upon request)

Requirements
SMA
TNC

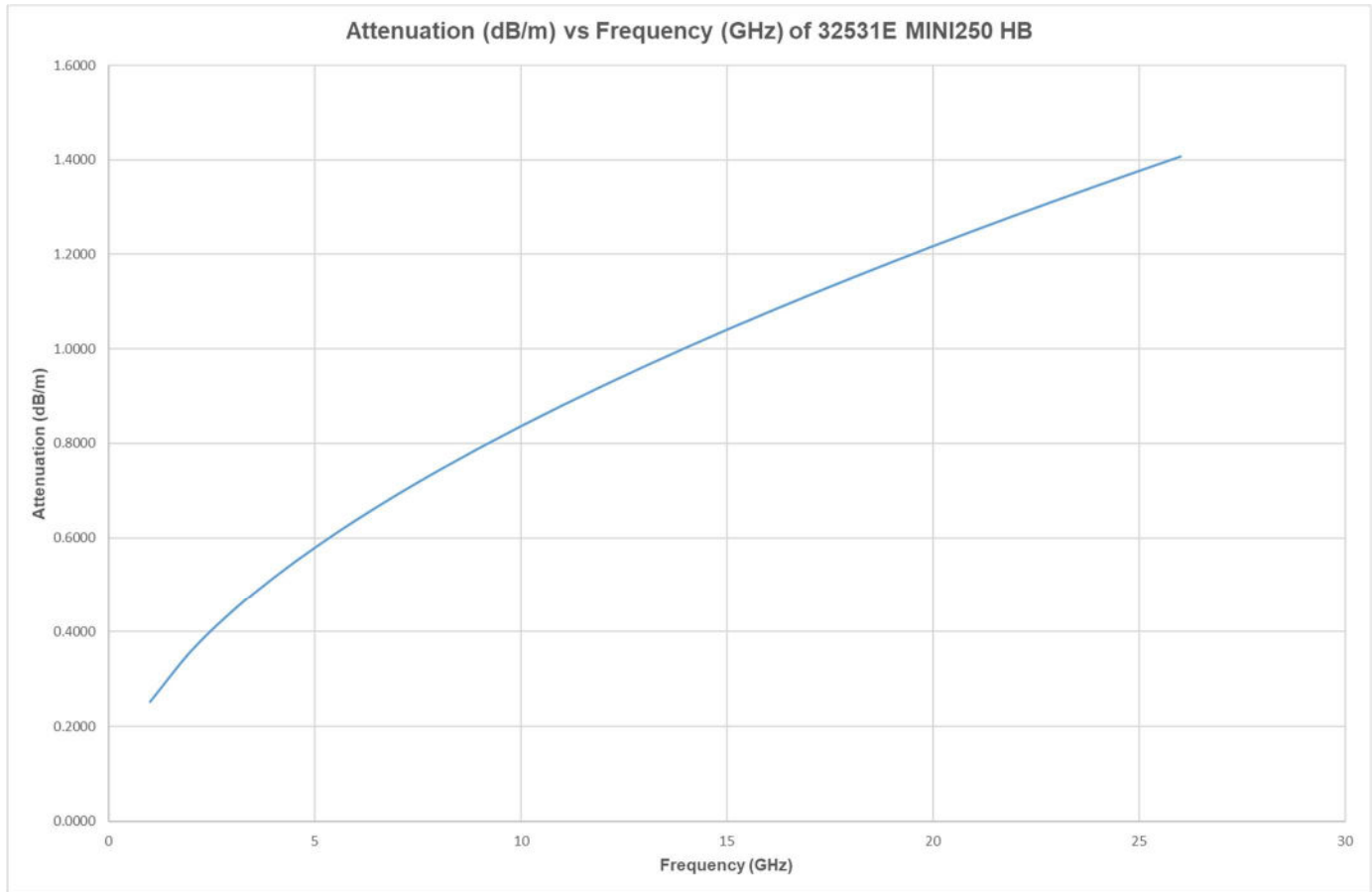
Technical Information

Cable	Inner Conductor	Dielectric	Outer Conductor	Barrier	Outer Braid	Jacket	Outer Diameter
	1	2	3	4	5	6	
32531E	Silver Coated Copper	Extruded PTFE	CuAg (SPC) flat wire braid	Aluminum / Polyimide Tape	Stainless Steel Braid	ECTFE	5.72 mm

Cable	Operating Frequency	Velocity (nominal)	Weight (nominal)	Static Min. Bend Radius	Impedance	Temp. Range
	GHz	%	g/m	mm	Ω	°C
32531E	26.0	77.3	74.4	19	50	-55 to +200

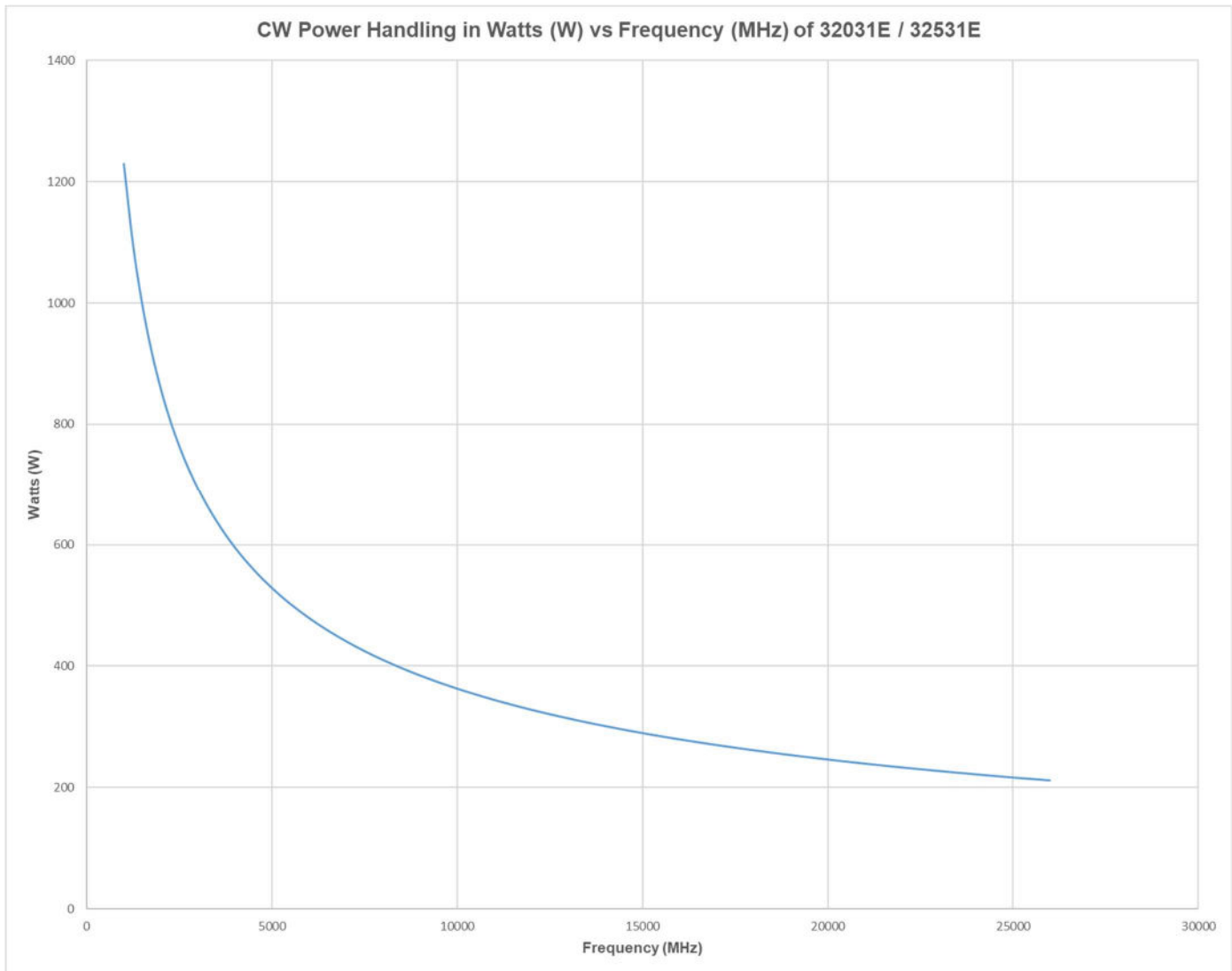
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Performance Graph – Attenuation



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Performance Graph – CW Power



Ordering information

Product	Description	H+S Item number
MINI250™HB Cable Assemblies	32531E Cable + Specified Assembly	Via HUBER+SUHNER Price Lists

Longer, specialty lengths can be made available upon request; please note, the service class delivery lead times for specialty ordered cables will be longer than standard lengths. Discuss with your HUBER+SUHNER customer representative and sales professional for ordering and delivery times.