Data Sheet

HUBER+SUHNER

HUBER+SUHNER[®] MINIBEND[™] R Cable

Description

- Impedance 50 Ω
- Applicable up to 65 GHz
- Direct replacement for 0.086 inch semi-rigid cables
- Stock delivery on standard lengths

What is it? MINIBEND® R is designed for use in complex, congested environments where higher cable retention force is required. MINIBEND R's pull strength is more than 70% greater than a standard MINIBEND. When installed and bent at the minimum bend radius, MINIBEND R will tolerate multiple 90° rotations at the cable/connector junction. The "R" ruggedization can be added to any MINIBEND style. All materials used in MINIBEND R assemblies meet or exceed NASA TML and CVCM requirements for use in spacecraft applications.



MINIBEND™ R – Available Cable Connectors/Interfaces

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

Requirements			
SMA			
SK			
SMP			
SSMA PC 1.85 PC 2.4			
PC 1.85			
PC 2.4			

Technical Drawing

Cable	Inner Conductor	Dielectric	Outer Conductor	Barrier	Outer Braid	Jacket	Outer Diameter
	1	2	3	4	5	6	
32081	CuAg (SPC) Wire	PTFE	CuAg (SPC) flat wire braid	Aluminum / Polyimide Tape	Stainless Steel Braid	FEP	2.5 mm

Cable	Operating Frequency	Velocity (nominal)	Weight (nominal)	Static Min. Bend Radius	Impedance	Temp. Range
	GHz	%	g/m	mm	Ω	°C
32081	65	70.3	14.9	5.08	50	-55 to +200



HUBER+SUHNER is certified according to EN(AS) 9100, ISO 9001, ISO 14001, ISO/TS 16949, and ISO/TS 22163.

www.hubersuhner.com

MICROBEND and MICROBEND are registered trademarks of HUBER+SUHNER in the United States of America

<u>Waiver:</u> Fact and figures herein are for information only and do not represent any warranty of any kind. Document: Draft Rev. 1 / Date of publication: 03.2021 / uncontrolled copy

Author: HUBER+SUHNER ASTROLAB / Verified: 05.2021 / Approved: 05.2021

HUBER+SUHNER and ASTROLAB are registered trademarks. All other mentioned copyrights and trademarks are property of their respective owners.