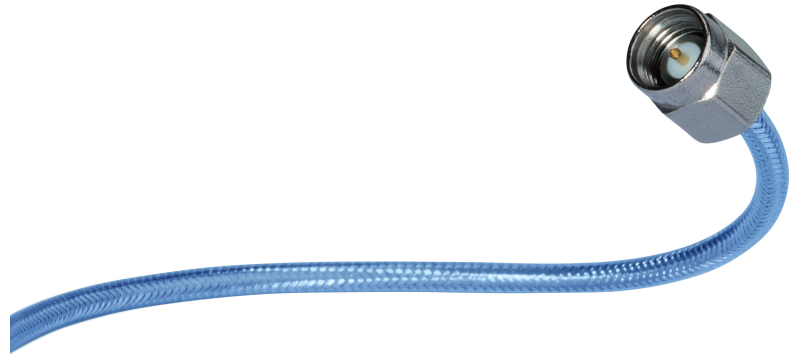


# MINIBEND R-18, SMA (male), SMA (male), ruggedized, 50 Ohm, 24 GHz, 18 in, 457.2 mm

## MINIBEND R-18

### Properties

- Applicable up to 24 GHz
- Part of the "bend-to-the-end" MINIBEND product family
- Direct replacement for 086 size Semi-Rigid cables
- Solderless cable junction
- Compliant to MIL-DTL-17 (cable) and MIL-PRF-39012 (connectors)



Product configuration	
Type of cable	MINIBEND (32081E)
Type description connector A	29094CR-32-81
Series connector A	SMA, straight - plug
Type description connector B	29094CR-32-81
Series connector B	SMA, straight - plug
Length	457.2 mm
	18 inch
Length type	REF to REF

Electrical data	
Impedance	50 $\Omega$
Max. operating frequency	24 GHz
VSWR max	1.4
Propagation velocity	70 %

Electrical Data (frequency related)			
Frequency range	Return loss	VSWR max	Insertion loss
0 GHz ... 2 GHz	20.82 dB	1.2	0.66 dB
2 GHz ... 12.4 GHz	19.08 dB	1.25	1.64 dB
12.4 GHz ... 18 GHz	16.53 dB	1.35	2.05 dB
18 GHz ... 24 GHz	15.56 dB	1.4	2.38 dB

Mechanical data	
Cable diameter	2.54 mm
Static bending radius	5.08 mm

**MINIBEND R-18, SMA (male), SMA (male), ruggedized, 50 Ohm, 24 GHz, 18 in, 457.2 mm**  
MINIBEND R-18

Environmental data	
Operation temperature	-55 °C ... 125 °C

Ordering information	
Item number	Item description
80337530	MINIBEND R-18

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.  
DOCUMENT PIM-P38134 / Date of publication: 27.02.2024 / uncontrolled copy