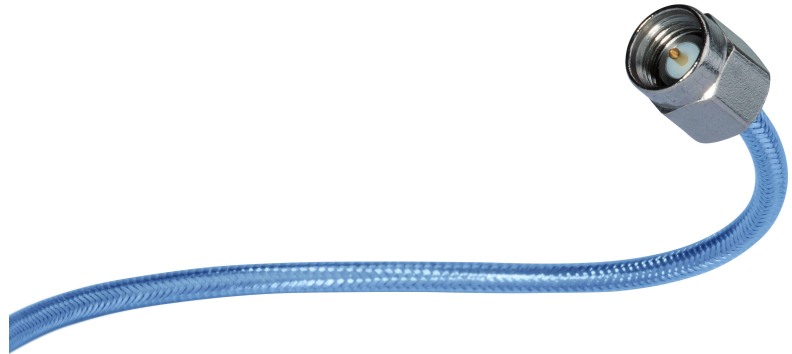


# MINIBEND R-18, SMA (male), SMA (male), ruggedized, 50 Ohm, 24 GHz, 18 in, 457.2 mm

## 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             |
| Length                       | 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  |
| Dynamic bending radius | 15.24 mm |

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| Environmental data    |                   |
|-----------------------|-------------------|
| Operation temperature | -55 °C ... 125 °C |
| Ordering information  |                   |
| Item number           | Item description  |
| 80337530              | MINIBEND R-18     |

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DOCUMENT PIM-P38134 / Date of publication: 04.12.2024 / uncontrolled copy