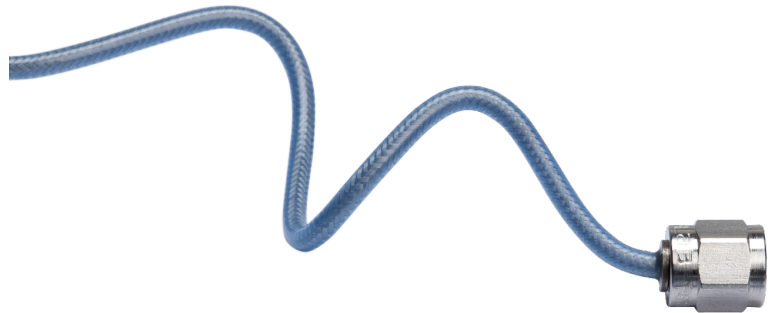


# MINIBEND KR-9, 2.9mm (male), 2.9mm (male), ruggedized, 50 Ohm, 40 GHz, 9 in, 228.6 mm

## MINIBEND KR-9

### Properties

- Applicable up to 40 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 | 29094KCR-32-81          |
| Series connector A           | PC 2.9, straight - plug |
| Type description connector B | 29094KCR-32-81          |
| Series connector B           | PC 2.9, straight - plug |
| Length                       | 228.6 mm                |
| Length                       | 9 inch                  |
| Length type                  | REF to REF              |

### Electrical data

|                          |             |
|--------------------------|-------------|
| Impedance                | 50 $\Omega$ |
| Max. operating frequency | 40 GHz      |
| VSWR max                 | 1.5         |
| Propagation velocity     | 70 %        |

### Electrical Data (frequency related)

| Frequency range     | Return loss | VSWR max | Insertion loss |
|---------------------|-------------|----------|----------------|
| 0 GHz ... 2 GHz     | 20.83 dB    | 1.2      | 0.38 dB        |
| 2 GHz ... 26.5 GHz  | 14.72 dB    | 1.45     | 1.41 dB        |
| 26.5 GHz ... 40 GHz | 13.98 dB    | 1.5      | 1.83 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  |
| 80337161              | MINIBEND KR-9     |

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