

# MINI141 K-12, 2.9mm (male), 2.9mm (male), 50 Ohm, 40 GHz, 12 in, 304.8 mm

MINI141 K-12

## Properties

- Applicable up to 40 GHz
- Part of the "bend-to-the-end" MINIBEND product family
- Direct replacement for 141 size Semi-Rigid cables
- Compliant to MIL-DTL-17 (cable) and MIL-PRF-39012 (connectors)
- Solderless cable junction
- Low loss PTFE dielectric



| Product configuration        |                         |
|------------------------------|-------------------------|
| Type of cable                | MINI141 (32022E)        |
| Type description connector A | 29094KCR-32-22          |
| Series connector A           | PC 2.9, straight - plug |
| Type description connector B | 29094KCR-32-22          |
| Series connector B           | PC 2.9, straight - plug |
| Length                       | 304.8 mm                |
| Length                       | 12 inch                 |
| Length type                  | REF to REF              |

| Electrical data          |             |
|--------------------------|-------------|
| Impedance                | 50 $\Omega$ |
| Max. operating frequency | 40 GHz      |
| VSWR max                 | 1.45        |
| Propagation velocity     | 76 %        |

| Electrical Data (frequency related) |             |          |                |
|-------------------------------------|-------------|----------|----------------|
| Frequency range                     | Return loss | VSWR max | Insertion loss |
| 0 GHz ... 2 GHz                     | 23.12 dB    | 1.15     | 0.27 dB        |
| 2 GHz ... 18 GHz                    | 16.53 dB    | 1.35     | 0.8 dB         |
| 18 GHz ... 26.5 GHz                 | 15.56 dB    | 1.4      | 0.98 dB        |
| 26.5 GHz ... 40 GHz                 | 14.71 dB    | 1.45     | 1.34 dB        |

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| Mechanical data        |                   |
|------------------------|-------------------|
| Cable diameter         | 3.61 mm           |
| Static bending radius  | 8.38 mm           |
| Dynamic bending radius | 25.15 mm          |
| Environmental data     |                   |
| Operation temperature  | -55 °C ... 125 °C |
| Ordering information   |                   |
| Item number            | Item description  |
| 80336716               | MINI141 K-12      |

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