

MINI141 K-8, 2.9mm (male), 2.9mm (male), 50 Ohm, 40 GHz, 8 in, 203.2 mm

MINI141 K-8

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	203.2 mm
Length	8 inch
Length type	REF to REF

Electrical data

Impedance	50 Ω
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	0.22 dB
2 GHz ... 18 GHz	16.53 dB	1.35	0.62 dB
18 GHz ... 26.5 GHz	15.56 dB	1.4	0.76 dB
26.5 GHz ... 40 GHz	14.71 dB	1.45	1.06 dB

MINI141 K-8, 2.9mm (male), 2.9mm (male), 50 Ohm, 40 GHz, 8 in, 203.2 mm
MINI141 K-8

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
80336734	MINI141 K-8

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-P38078 / Date of publication: 04.12.2024 / uncontrolled copy