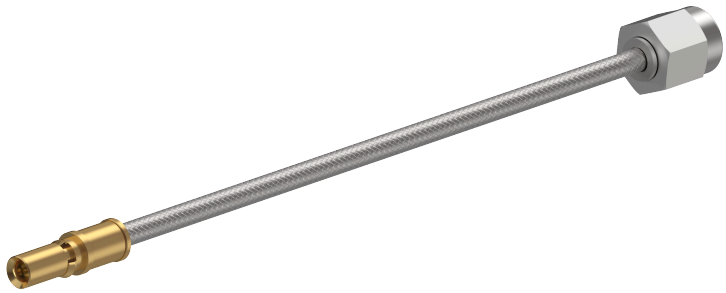
DATA SHEET

32024E-29972SVCR3-29094KCR-6, VITA 67.3 SMPM (male), SMK (male), 50 Ohm, 40 GHz, 6 in, 152.4 mm

32024E-29972SVCR3-29094KCR-6

Properties

- Assembly with VITA 67.3 compliant SMPM connector
- Part of the "bend-to-the-end" MINIBEND product family
- Direct replacement for 086 size Semi-Rigid cables
- Compliant to MIL-DTL-17 (cable) and MIL-PRF-39012 (connectors)
- Applicable up to 40 GHz
- Low loss PTFE dielectric



Product configuration	
Type of cable	MINIBEND LR (32024E)
Type description connector A	29972SVCR3-32-24
Series connector A	SMPM, straight - plug
Type description connector B	29094KCR-32-24
Series connector B	PC 2.9, straight - plug
Length	152.4 mm
Length	6 inch
Length type	REF to REF

Electrical data	
Impedance	50 Ω
Max. operating frequency	40 GHz
VSWR max	1.55
Max. insertion loss	1.21 dB
Propagation velocity	76 %

Electrical Data (frequency related)			
Frequency range	**Return loss**	**VSWR max**	**Insertion loss**
0 GHz ... 2 GHz	21.66 dB	1.18	0.25 dB
2 GHz ... 12 GHz	17.2 dB	1.32	0.62 dB
12 GHz ... 18 GHz	15.56 dB	1.4	0.76 dB
18 GHz ... 26.5 GHz	13.97 dB	1.5	0.95 dB
26.5 GHz ... 40 GHz	13.32 dB	1.55	1.21 dB

32024E-29972SVCR3-29094KCR-6, VITA 67.3 SMPM (male), SMK (male), 50 Ohm, 40 GHz, 6 in, 152.4 mm

32024E-29972SVCR3-29094KCR-6

Mechanical data	
Weight	2.99 g
Cable diameter	2.49 mm
Static bending radius	5.08 mm

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

Material compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
85259436	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c

Ordering information	
Item number	Item description
85259436	32024E-29972SVCR3-29094KCR-6

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-P58467 / Date of publication: 26.10.2026 / uncontrolled copy