



**Electrical data**

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≤ -30 dB, DC to 1 GHz ≤ -28 dB, DC to 2 GHz ≤ -25 dB, DC to 3 GHz ≤ -17 dB, DC to 6 GHz
Insertion loss	≤ 0.1 x $\sqrt{f(\text{GHz})}$ dB
Insulation resistance	≥ 1x10 <sup>3</sup> MΩ
Center contact resistance	≤ 5 mΩ
Outer contact resistance	≤ 5 mΩ
Test voltage	750 V rms
Working voltage	335 V rms
Power current	≤ 1 A DC
RF-leakage ( optional )	≥ 53 dB up to 1 GHz

- Limitations are possible due to the used cable type -

**Mechanical data**

Mating cycles	≥ 25
Engagement force	≤ 25 N
Disengagement force	≥ 2 N

**Environmental data**

Temperature range	-40°C to +105°C
Thermal shock	DIN 72594-2 clause 6.2
Temperature and humidity	DIN 72594-2 clause 6.3
Vibration and mechanical shock	DIN 72594-2 clause 6.1
Dry heat	DIN 72594-2 clause 6.4
2002/95/EC (RoHS)	compliant

- Limitations are possible due to the used cable type -

**Tooling**

Crimp dimension acc. to assembly instruction	
Serie Tool:	
Crimping applicator (59S16A-106/90)	19150016
Crimping applicator (59S16A-106/40)	19150018
Crimping applicator (59S10L-1M4/20E)	19150009
Hand tool:	
Crimp applicator RG 58 (59S10L-1M4/20E)	11W161-806

**Suitable cables**

Cable type	RG 58
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**Packing**

Standard

59S16A-106/90	33000 pcs (22 reel/carton; 1500 pcs on reel)
59S16A-106/40	95000 pcs (38 reel/carton; 2500 pcs on reel)
59S10L-1M4/20E	500/5000/20000 pcs on reel

Weight 1.88 g/pce

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Rainer Bippus	18/09/06	Zebhauser	03/03/09	a00	09-0070	Mühlfellner	05/02/09
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