



High voltage contacts

Identification	Part No. Performance level 1	Drawing	Dimensions in mm
I High voltage male contact for male connectors ²⁾ for straight solder termination 2.8 kV	acc. to DIN 41 626 09 03 000 6140		
II High voltage female contact for female connectors ²⁾ for straight solder termination 2.8 kV	09 03 000 6240		
III Crimping tool for coaxial contacts	09 99 000 0194		
Crimping tool for high current contacts	09 99 000 0196		
III Removal tool incl. removal jacket for contact replacement in male and female connectors	09 99 000 0174		
Replacement removal jacket	09 99 000 0243		
IV Removal tool for contact replacement in male connectors	09 99 000 0328		

Electrical characteristics of coaxial contacts and wires

	50 Ω	75 Ω
Max. working frequency	0 up to 10 GHz	0 up to 1.5 GHz
Return loss	≥ 20 dB up to 6 GHz	≥ 20 dB
RF-leakage	≥ 80 dB up to 0.5 GHz ≥ 68 dB up to 1.5 GHz	
Test voltage	750 V _{rms}	
Working voltage	250 V _{max.}	
Insulation resistance	≥ 1 GΩ	≥ 200 MΩ
Contacts resistance – Center contact	≤ 10 mΩ	
– Outer contact	≤ 3 mΩ	
Contact current max.	1.5 A	
Admissible power (depends on: frequency, application, return loss, environmental characteristics)	Data on request	

Cable group 2 flexible wires	Impedance	Shell ø	Screening ø	Dielectric ø	Internal wire ø	Hexagonal crimp Spanner width
RG 174 A/U	50 Ω	2.5	2.0	1.5	0.48	3.25
RG 188 A/U	50 Ω	2.6	2.0	1.5	0.54	3.25
RG 316 U	50 Ω	2.5	2.0	1.5	0.54	3.25
RG 179 B/U	75 Ω	2.54	2.0	1.6	0.3	3.25

¹⁾ Contact resistance max. 1.5 mΩ

²⁾ Contact resistance internal wire max. 3 mΩ