

Features

- Thermocouple miniature connectors (air)
- Thermocouple crimp and push connectors (vacuum)
- Screw and nut thermocouple connectors (vacuum)
- Power push-on connectors (vacuum)
- Power in-line connectors (vacuum)
- Power High-voltage silicone cables (air)
- MS circular connectors (air)
- Coaxial connectors (air)
- Coaxial cables (vacuum)
- Wire & rods (vacuum)
- Insulator & spacers (vacuum)
- Kapton cables (air & vacuum)
- Subminiature C & D connectors (air & vacuum)

Thermocouple miniature connectors air service to 125 °C

Description	Part Number
TC CON TYPE C AIR	1-CC-1250
TC CON TYPE E AIR	1-CC-2250
TC CON TYPE J AIR	1-CC-3250
TC CON TYPE K AIR	1-CC-4250
TC CON TYPE N AIR	1-CC-2350



Thermocouple crimp & push connectors vacuum & air service 350 °C

Description	Part Number
WATER BRAKE TUBE OD 8,1mm COPPER WELD	1-BE-9680
WATER BRAKE TUBE OD 11,1mm COPPER WELD	1-BE-0780
WATER BRAKE TUBE OD 15,0mm COPPER WELD	1-BE-1780



Screw & nut thermocouple connectors thread size 3-48

Description	Part Number
TC SCREW & NUTS SET AIR/VACUUM SST (10XPACK)	1-CC-1350

Power push-on connectors 150 °C air / 200 °C vacuum

Description	Part Number
POWER PUSH-ON CON A/V BeCu 1,3MM (10XPACK)	1-CC-3350
POWER PUSH-ON CON A/V BeCu 1,5MM (10XPACK)	1-CC-4350
POWER PUSH-ON CON A/V BeCu 2,4MM (10XPACK)	1-CC-5350
POWER PUSH-ON CON A/V BeCu 6,4MM (2XPACK)	1-CC-1450



Power in-line connectors 150 °C air / 400 °C vacuum

Description	Part Number
POWER IN-LINE CON A/V BeCu 1,5MM (10XPACK)	1-CC-6350
POWER IN-LINE CON A/V BeCu 1,8MM (10XPACK)	1-CC-7350
POWER IN-LINE CON A/V BeCu 3,0MM (10XPACK)	1-CC-8350
POWER IN-LINE CON A/V BeCu 3,4MM (10XPACK)	1-CC-9350
POWER IN-LINE CON A/V BeCu 6,6MM (10XPACK)	1-CC-0450



Power high voltage silicone cable operating temp -55 to 125°C

Description	Part Number
POWER GLOVE AIR 5KV 25AMP 2,4PIN DIAM	1-CC-2450
POWER GLOVE AIR 20KV 25AMP 2,4PIN DIAM	1-CC-3450



MS circular connectors air service voltage rating 700V peak 10Amp

Description	Part Number
CIRCULAR MS CON AIR 700V 13A 10PINS	1-CC-2050
CIRCULAR MS CON AIR 700V 13A 20PINS	1-CC-3050
CIRCULAR MS CON AIR 1250V 13A 4PINS	1-CC-0050
CIRCULAR MS CON AIR 700V 13A 6PINS	1-CC-1050
CIRCULAR MS CON AIR 700V 13A 35PINS	1-CC-4050
CIRCULAR MS CON AIR 700V 10A 4PINS	1-CC-5050
CIRCULAR MS CON AIR 700V 10A 6PINS	1-CC-6050
CIRCULAR MS CON AIR 700V 10A 10PINS	1-CC-7050
CIRCULAR MS CON AIR 700V 10A 20PINS	1-CC-8050
CIRCULAR MS CON AIR 700V 10A 35PINS	1-CC-9050

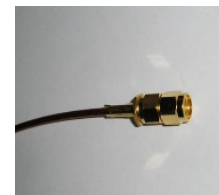


Coaxial connectors air service

Description	Part Number
COAX BNC CON AIR 500V	1-CC-0150
COAX MHV CON AIR 5000V	1-CC-1150
COAX SHV-5 CON AIR 5000V	1-CC-2150
COAX TYPE-N CON AIR 1500V	1-CC-3150
COAX SMA CON AIR 700V	1-CC-4150
COAX SHV-B CON AIR 7500V	1-CC-5150
COAX SMB CON AIR 500V	1-CC-6150
COAX MICRODOT AIR CON 500V W/CABLE	1-CC-7150
TRIAxIAL CON AIR	1-CC-8150
COAX SHV-10 CON AIR 1000V	1-CC-9150
COAX SHV-20 CON AIR	1-CC-0250

SMA vacuum cables 1m long

Description	Part Number
IN-VACUUM SMA COAX CABLE MALE TO MALE	1-CC-0370
IN-VACUUM SMA COAX CABLE MALE TO FEMALE	1-CC-1370
IN-VACUUM SMA COAX CABLE MALE TO NO CONNECTOR	1-CC-2370



BNC vacuum cables 50Ω Kapton insulated

Description	Part Number
UHV BNC CABLE ASSEMBLIES FLO SHIELD 500mm	1-CC-5380
UHV BNC CABLE ASSEMBLIES FLO SHIELD 1000mm	1-CC-6380



3.2mm Vacuum ready coaxial cables

Description	Part Number
IN-VACUUM COAX CABLE 3,2 305mm CON A TO A	1-CC-5450
IN-VACUUM COAX CABLE 3,2 305mm CON A TO B	1-CC-6450
IN-VACUUM COAX CABLE 3,2 305mm CON A TO C	1-CC-7450
IN-VACUUM COAX CABLE 3,2 305mm CON A TO D	1-CC-8450
IN-VACUUM COAX CABLE 3,2 305mm CON A TO BNC	1-CC-9450
IN-VACUUM COAX CABLE 3,2 305mm CON A TO MHV	1-CC-6550
IN-VACUUM COAX CABLE 3,2 305mm CON B TO B	1-CC-0550
IN-VACUUM COAX CABLE 3,2 305mm CON B TO C	1-CC-1550
IN-VACUUM COAX CABLE 3,2 305mm CON B TO D	1-CC-2550
IN-VACUUM COAX CABLE 3,2 305mm CON C TO C	1-CC-3550
IN-VACUUM COAX CABLE 3,2 305mm CON C TO D	1-CC-4550
IN-VACUUM COAX CABLE 3,2 305mm CON D TO D	1-CC-5550
IN-VACUUM COAX CABLE 3,2 305mm CON MICRODOT TO MICRODOT	1-CC-7550
IN-VACUUM COAX CABLE 3,2 610mm CON A TO A	1-CC-8550
IN-VACUUM COAX CABLE 3,2 610mm CON A TO B	1-CC-9550
IN-VACUUM COAX CABLE 3,2 610mm CON A TO C	1-CC-0650
IN-VACUUM COAX CABLE 3,2 610mm CON A TO D	1-CC-1650
IN-VACUUM COAX CABLE 3,2 610mm CON A TO BNC	1-CC-2650
IN-VACUUM COAX CABLE 3,2 610mm CON A TO MHV	1-CC-9650
IN-VACUUM COAX CABLE 3,2 610mm CON B TO B	1-CC-3650
IN-VACUUM COAX CABLE 3,2 610mm CON B TO C	1-CC-4650
IN-VACUUM COAX CABLE 3,2 610mm CON B TO D	1-CC-5650
IN-VACUUM COAX CABLE 3,2 610mm CON C TO C	1-CC-6650
IN-VACUUM COAX CABLE 3,2 610mm CON C TO D	1-CC-7650
IN-VACUUM COAX CABLE 3,2 610mm CON D TO D	1-CC-8650
IN-VACUUM COAX CABLE 3,2 610mm CON MICRODOT TO MICRODOT	1-CC-0750
IN-VACUUM COAX CABLE 3,2 915mm CON A TO A	1-CC-1750
IN-VACUUM COAX CABLE 3,2 915mm CON A TO B	1-CC-2750
IN-VACUUM COAX CABLE 3,2 915mm CON A TO C	1-CC-3750
IN-VACUUM COAX CABLE 3,2 915mm CON A TO D	1-CC-4750
IN-VACUUM COAX CABLE 3,2 915mm CON A TO BNC	1-CC-5750
IN-VACUUM COAX CABLE 3,2 915mm CON A TO MHV	1-CC-2850
IN-VACUUM COAX CABLE 3,2 915mm CON B TO B	1-CC-6750
IN-VACUUM COAX CABLE 3,2 915mm CON B TO C	1-CC-7750
IN-VACUUM COAX CABLE 3,2 915mm CON B TO D	1-CC-8750
IN-VACUUM COAX CABLE 3,2 915mm CON C TO C	1-CC-9750
IN-VACUUM COAX CABLE 3,2 915mm CON C TO D	1-CC-0850
IN-VACUUM COAX CABLE 3,2 915mm CON D TO D	1-CC-1850
IN-VACUUM COAX CABLE 3,2 915mm CON MICRODOT TO MICRODOT	1-CC-3850

6.4mm Vacuum ready coaxial cables

Description	Part Number
IN-VACUUM COAX CABLE 6,4 305mm CON A TO A	1-CC-4850
IN-VACUUM COAX CABLE 6,4 305mm CON A TO B	1-CC-5850
IN-VACUUM COAX CABLE 6,4 305mm CON A TO C	1-CC-6850
IN-VACUUM COAX CABLE 6,4 305mm CON A TO D	1-CC-7850
IN-VACUUM COAX CABLE 6,4 305mm CON A TO BNC	1-CC-4950
IN-VACUUM COAX CABLE 6,4 305mm CON A TO MHV	1-CC-5950
IN-VACUUM COAX CABLE 6,4 305mm CON B TO B	1-CC-8850
IN-VACUUM COAX CABLE 6,4 305mm CON B TO C	1-CC-9850
IN-VACUUM COAX CABLE 6,4 305mm CON B TO D	1-CC-0950
IN-VACUUM COAX CABLE 6,4 305mm CON C TO C	1-CC-1950
IN-VACUUM COAX CABLE 6,4 305mm CON C TO D	1-CC-2950
IN-VACUUM COAX CABLE 6,4 305mm CON D TO D	1-CC-3950
IN-VACUUM COAX CABLE 6,4 305mm CON BNC TO BNC	1-CC-6950
IN-VACUUM COAX CABLE 6,4305mm CON MHV TO MHV	1-CC-7950
IN-VACUUM COAX CABLE 6,4 610mm CON A TO A	1-CC-8950
IN-VACUUM COAX CABLE 6,4 610mm CON A TO B	1-CC-9950
IN-VACUUM COAX CABLE 6,4 610mm CON A TO C	1-CC-0060
IN-VACUUM COAX CABLE 6,4 610mm CON A TO D	1-CC-1060
IN-VACUUM COAX CABLE 6,4 610mm CON A TO BNC	1-CC-8060
IN-VACUUM COAX CABLE 6,4 610mm CON A TO MHV	1-CC-9060
IN-VACUUM COAX CABLE 6,4 610mm CON B TO B	1-CC-2060
IN-VACUUM COAX CABLE 6,4 610mm CON B TO C	1-CC-3060
IN-VACUUM COAX CABLE 6,4 610mm CON B TO D	1-CC-4060
IN-VACUUM COAX CABLE 6,4 610mm CON C TO C	1-CC-5060
IN-VACUUM COAX CABLE 6,4 610mm CON C TO D	1-CC-6060
IN-VACUUM COAX CABLE 6,4 610mm CON D TO D	1-CC-7060
IN-VACUUM COAX CABLE 6,4 610mm CON BNC TO BNC	1-CC-0160
IN-VACUUM COAX CABLE 6,4 610mm CON MHV TO MHV	1-CC-1160
IN-VACUUM COAX CABLE 6,4 915mm CON A TO A	1-CC-2160
IN-VACUUM COAX CABLE 6,4 915mm CON A TO B	1-CC-3160
IN-VACUUM COAX CABLE 6,4 915mm CON A TO C	1-CC-4160
IN-VACUUM COAX CABLE 6,4 915mm CON A TO D	1-CC-5160
IN-VACUUM COAX CABLE 6,4 915mm CON A TO BNC	1-CC-2260
IN-VACUUM COAX CABLE 6,4 915mm CON A TO MHV	1-CC-3260
IN-VACUUM COAX CABLE 6,4 915mm CON B TO B	1-CC-6160
IN-VACUUM COAX CABLE 6,4 915mm CON B TO C	1-CC-7160
IN-VACUUM COAX CABLE 6,4 915mm CON B TO D	1-CC-8160
IN-VACUUM COAX CABLE 6,4 915mm CON C TO C	1-CC-9160
IN-VACUUM COAX CABLE 6,4 915mm CON C TO D	1-CC-0260
IN-VACUUM COAX CABLE 6,4 915mm CON D TO D	1-CC-1260
IN-VACUUM COAX CABLE 6,4 915mm CON BNC TO BNC	1-CC-4160
IN-VACUUM COAX CABLE 6,4 915mm CON MHV TO MHV	1-CC-5260

Subminiature C UHV ribbon cable assemblies (Kapton insulated)

Description	Part Number
UHV SUB-C MALE CON 9PINS PEEK CABLE 500mm	1-CC-9580
UHV SUB-C MALE CON 9PINS PEEK CABLE 1000mm	1-CC-0680
UHV SUB-C FEMALE CON 9PINS PEEK CABLE 500mm	1-CC-1680
UHV SUB-C FEMALE CON 9PINS PEEK CABLE 1000mm	1-CC-2680
UHV SUB-C FEMALE 2xCON 9PINS PEEK CABLE 500mm	1-CC-3680



Subminiature C UHV round cable (Kapton insulated)

Description	Part Number
UHV SUB-C MALE CON 9PINS ROUND CABLE 500mm	1-CC-4680
UHV SUB-C MALE CON 9PINS ROUND CABLE 1000mm	1-CC-5680
UHV SUB-C FEMALE CON 9PINS ROUND CABLE 500mm	1-CC-6680
UHV SUB-C FEMALE CON 9PINS ROUND CABLE 1000mm	1-CC-7680



Subminiature C connectors, contacts & accessories

Description	Part Number
UHV SUB-C MALE CONN 9PINS PEEK (NO PINS)	1-CC-9170
UHV SUB-C FEM CONN 9PINS PEEK (NO PINS)	1-CC-0270
AIR SUB-C FEM CONN 9PINS PEEK (NO PINS)	1-CC-1270
AIR CONNECTOR 9PINS FITTED CABLE 1200mm	1-CC-6670
AIR CONNECTOR 9PINS FITTED CABLE 2500mm	1-CC-7670
PK OF 10 PINS MALE FOR SUB-C CON UHV/AIR	1-CC-7380
PK OF 10 PINS FEM FOR SUB-C CON UHV/AIR	1-CC-8380
UHV-AIR CRIMPING TOOL	1-CC-8670
UHV-AIR WIRE STRIPPER 0,12 TO 0,40mm WIRE	1-CC-9670
UHV-AIR WIRE STRIPPER 0,25 TO 0,80mm WIRE	1-CC-0770

Subminiature C accessories

Description	Part Number
PK OF 10 PINS MALE FOR SUB-C CON UHV/AIR	1-CC-7380
PK OF 10 PINS FEM FOR SUB-C CON UHV/AIR	1-CC-8380
UHV-AIR CRIMPING TOOL	1-CC-8670
UHV-AIR WIRE STRIPPER 0,12 TO 0,40mm WIRE	1-CC-9670
UHV-AIR WIRE STRIPPER 0,25 TO 0,80mm WIRE	1-CC-0770



Subminiature D UHV ribbon cable assemblies (Kapton insulated)

Description	Part Number
UHV SUB-D MALE CON 9PINS PEEK CABLE 500mm	1-CC-7470
UHV SUB-D MALE CON 9PINS PEEK CABLE 1000mm	1-CC-8470
UHV SUB-D FEMALE CON 9PINS PEEK CABLE 500mm	1-CC-9470
UHV SUB-D FEMALE CON 9PINS PEEK CABLE 1000mm	1-CC-0570
UHV SUB-D MALE CON 15PINS PEEK CABLE 500mm	1-CC-1570
UHV SUB-D MALE CON 15PINS PEEK CABLE 1000mm	1-CC-2570
UHV SUB-D FEMALE CON 15PINS PEEK CABLE 500mm	1-CC-3570
UHV SUB-D FEMALE CON 15PINS PEEK CABLE 1000mm	1-CC-4570
UHV SUB-D MALE CON 25PINS PEEK CABLE 500mm	1-CC-5570
UHV SUB-D MALE CON 25PINS PEEK CABLE 1000mm	1-CC-6570
UHV SUB-D FEMALE CON 25PINS PEEK CABLE 500mm	1-CC-7570
UHV SUB-D FEMALE CON 25PINS PEEK CABLE 1000mm	1-CC-8570
UHV SUB-D MALE CON 50PINS PEEK CABLE 500mm	1-CC-9570
UHV SUB-D MALE CON 50PINS PEEK CABLE 1000mm	1-CC-0670
UHV SUB-D FEMALE CON 50PINS PEEK CABLE 500mm	1-CC-1670
UHV SUB-D FEMALE CON 50PINS PEEK CABLE 1000mm	1-CC-2670



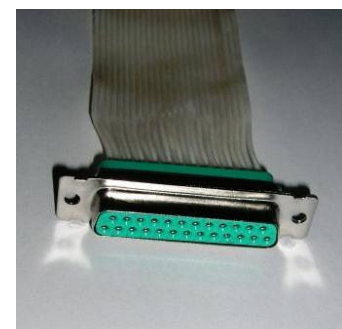
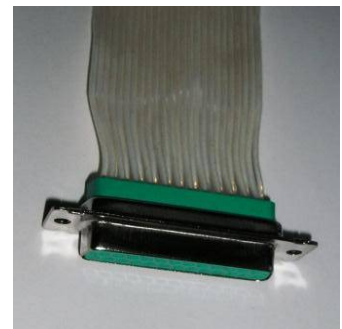
Subminiature D UHV connectors & contacts (no cables)

Description	Part Number
UHV SUB-D MALE CONN 9PINS PEEK (NO PINS)	1-CC-4370
UHV SUB-D MALE CONN 15PINS PEEK (NO PINS)	1-CC-5370
UHV SUB-D MALE CONN 25PINS PEEK (NO PINS)	1-CC-6270
UHV SUB-D MALE CONN 50PINS PEEK (NO PINS)	1-CC-6370
UHV SUB-D FEMALE CONN 9PINS PEEK (NO PINS)	1-CC-7370
UHV SUB-D FEMALE CONN 15PINS PEEK (NO PINS)	1-CC-8370
UHV SUB-D FEMALE CONN 25PINS PEEK (NO PINS)	1-CC-7270
UHV SUB-D FEMALE CONN 50PINS PEEK (NO PINS)	1-CC-8270



Subminiature D HV PTFE ribbon cable assemblies

Description	Part Number
HV SUB-D FEMALE CON 9PINS CABLE 500mm	1-CC-7870
HV SUB-D FEMALE CON 9PINS CABLE 1000mm	1-CC-8870
HV SUB-D MALE CON 9PINS CABLE 500mm	1-CC-9870
HV SUB-D MALE CON 9PINS CABLE 1000mm	1-CC-0970
HV SUB-D FEMALE CON 15PINS CABLE 500mm	1-CC-1970
HV SUB-D FEMALE CON 15PINS CABLE 1000mm	1-CC-2970
HV SUB-D MALE CON 15PINS CABLE 500mm	1-CC-3970
HV SUB-D MALE CON 15PINS CABLE 1000mm	1-CC-4970
HV SUB-D FEMALE CON 25PINS CABLE 500mm	1-CC-5970
HV SUB-D FEMALE CON 25PINS CABLE 1000mm	1-CC-6970
HV SUB-D MALE CON 25PINS CABLE 500mm	1-CC-7970
HV SUB-D MALE CON 25PINS CABLE 1000mm	1-CC-8970
HV SUB-D FEMALE CON 50PINS CABLE 500mm	1-CC-9970
HV SUB-D FEMALE CON 50PINS CABLE 1000mm	1-CC-0080
HV SUB-D MALE CON 50PINS CABLE 500mm	1-CC-1080
HV SUB-D MALE CON 50PINS CABLE 1000mm	1-CC-2080
HV SUB-D FEMALE 2xCON 9PINS CABLE 500mm	1-CC-3080
HV SUB-D FEMALE 2xCON 9PINS CABLE 1000mm	1-CC-4080
HV SUB-D FEMALE 2xCON 15PINS CABLE 500mm	1-CC-5080
HV SUB-D FEMALE 2xCON 15PINS CABLE 1000mm	1-CC-6080
HV SUB-D FEMALE 2xCON 25PINS CABLE 500mm	1-CC-7080
HV SUB-D FEMALE 2xCON 25PINS CABLE 1000mm	1-CC-8080
HV SUB-D FEMALE 2xCON 50PINS CABLE 500mm	1-CC-9080
HV SUB-D FEMALE 2xCON 50PINS CABLE 1000mm	1-CC-0180



Subminiature D HV connectors & contacts (no cables)

Description	Part Number
HV SUB-D MALE CONN 9PINS (NO PINS)	1-CC-9370
HV SUB-D MALE CONN 15PINS (NO PINS)	1-CC-0470
HV SUB-D MALE CONN 25PINS (NO PINS)	1-CC-1470
HV SUB-D MALE CONN 50PINS (NO PINS)	1-CC-2470
HV SUB-D FEMALE CONN 9PINS (NO PINS)	1-CC-3470
HV SUB-D FEMALE CONN 15PINS (NO PINS)	1-CC-4470
HV SUB-D FEMALE CONN 25PINS (NO PINS)	1-CC-5470
HV SUB-D FEMALE CONN 50PINS (NO PINS)	1-CC-6470
STANDARD FEMALE PINS UHV/HV SUB-D (PACK OF 25)	1-CC-4270
STANDARD MALE PINS UHV/HV SUB-D (PACK OF 25)	1-CC-5270
AIR SUB-D FEMALE CONN 9PINS	1-CC-1380
AIR SUB-D FEMALE CONN 15PINS	1-CC-2380
AIR SUB-D FEMALE CONN 25PINS	1-CC-3380
AIR SUB-D FEMALE CONN 50PINS	1-CC-4380
AIR SUB-D MALE/FEMALE CONN 9PINS CABLE 3000mm	1-CC-7280
AIR SUB-D MALE/FEMALE CONN 15PINS CABLE 3000mm	1-CC-8280
AIR SUB-D MALE/FEMALE CONN 25PINS CABLE 3000mm	1-CC-9280
AIR SUB-D MALE/FEMALE CONN 50PINS CABLE 3000mm	1-CC-0380



Subminiature C & D UHV & HV contact fitted cables

Description	Part Number
UHV SUB-C CONTACT FITTED 500mm ROUND CABLE MALE	1-CC-5580
UHV SUB-C CONTACT FITTED 1000mm ROUND CABLE MALE	1-CC-6580
UHV SUB-C CONTACT FITTED 500mm ROUND CABLE FEMALE	1-CC-7580
UHV SUB-C CONTACT FITTED 1000mm ROUND CABLE FEMALE	1-CC-8580
UHV SUB-D CONTACT FITTED 500mm CABLE MALE 9pins	1-CC-1770
UHV SUB-D CONTACT FITTED 1000mm CABLE MALE 9pins	1-CC-2770
UHV SUB-D CONTACT FITTED 500mm CABLE FEMALE 9pins	1-CC-3770
UHV SUB-D CONTACT FITTED 1000mm CABLE FEMALE 9pins	1-CC-4770
UHV SUB-D CONTACT FITTED 500mm CABLE MALE 15pins	1-CC-5770
UHV SUB-D CONTACT FITTED 1000mm CABLE MALE 15pins	1-CC-6770
UHV SUB-D CONTACT FITTED 500mm CABLE FEMALE 15pins	1-CC-7770
UHV SUB-D CONTACT FITTED 1000mm CABLE FEMALE 15pins	1-CC-8770
UHV SUB-D CONTACT FITTED 500mm CABLE MALE 25pins	1-CC-9770
UHV SUB-D CONTACT FITTED 1000mm CABLE MALE 25pins	1-CC-0870
UHV SUB-D CONTACT FITTED 500mm CABLE FEMALE 25pins	1-CC-1870
UHV SUB-D CONTACT FITTED 1000mm CABLE FEMALE 25pins	1-CC-2870
UHV SUB-D CONTACT FITTED 500mm CABLE MALE 50pins	1-CC-3870
UHV SUB-D CONTACT FITTED 1000mm CABLE MALE 50pins	1-CC-4870
UHV SUB-D CONTACT FITTED 500mm CABLE FEMALE 50pins	1-CC-5870
UHV SUB-D CONTACT FITTED 1000mm CABLE FEMALE 50pins	1-CC-6870
HV SUB-D CONTACT FITTED 500mm CABLE MALE 9pins	1-CC-1180
HV SUB-D CONTACT FITTED 1000mm CABLE MALE 9pins	1-CC-2180
HV SUB-D CONTACT FITTED 500mm CABLE FEMALE 9pins	1-CC-3180
HV SUB-D CONTACT FITTED 1000mm CABLE FEMALE 9pins	1-CC-4180
HV SUB-D CONTACT FITTED 500mm CABLE MALE 15pins	1-CC-5180
HV SUB-D CONTACT FITTED 1000mm CABLE MALE 15pins	1-CC-6180
HV SUB-D CONTACT FITTED 500mm CABLE FEMALE 15pins	1-CC-7180
HV SUB-D CONTACT FITTED 1000mm CABLE FEMALE 15pins	1-CC-8180
HV SUB-D CONTACT FITTED 500mm CABLE MALE 25pins	1-CC-9180
HV SUB-D CONTACT FITTED 1000mm CABLE MALE 25pins	1-CC-0280
HV SUB-D CONTACT FITTED 500mm CABLE FEMALE 25pins	1-CC-1280
HV SUB-D CONTACT FITTED 1000mm CABLE FEMALE 25pins	1-CC-2280
HV SUB-D CONTACT FITTED 500mm CABLE MALE 50pins	1-CC-3280
HV SUB-D CONTACT FITTED 1000mm CABLE MALE 50pins	1-CC-4280
HV SUB-D CONTACT FITTED 500mm CABLE FEMALE 50pins	1-CC-5280
HV SUB-D CONTACT FITTED 1000mm CABLE FEMALE 50pins	1-CC-6280



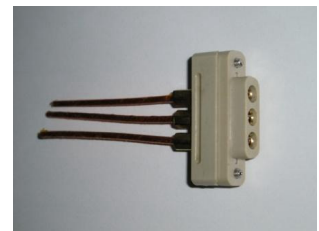
Subminiature D accessories

Description	Part Number
STANDARD FEMALE PINS UHV/HV SUB-D (PACK OF 25)	1-CC-4270
STANDARD MALE PINS UHV/HV SUB-D (PACK OF 25)	1-CC-5270
COLOURED BEADS 6x50 BEADS WIRE DIAM 0,89mm	1-CC-1480
COLOURED BEADS 6x50 BEADS WIRE DIAM 2mm	1-CC-2480



Subminiature D coaxial connectors & cables

Description	Part Number
UHV SUB-D COAX CON 1 COAX 4 INSTR CABLE L= 500mm	1-CC-3480
UHV SUB-D COAX CON 1 COAX 4 INSTR CABLE L=1000mm	1-CC-4480
UHV SUB-D COAX CON 3 COAX CABLE L= 500mm	1-CC-5480
UHV SUB-D COAX CON 3 COAX CABLE L= 1000mm	1-CC-6480
UHV SUB-D COAX CON 5 COAX CABLE L= 500mm	1-CC-7480
UHV SUB-D COAX CON 5 COAX CABLE L= 1000mm	1-CC-8480
AIR SUB-D 1 COAX 4 INSTR CABLE 2500mm PLAIN END	1-CC-9480
AIR SUB-D 3 COAX CABLE 2500mm PLAIN END	1-CC-0580
AIR SUB-D 5 COAX CABLE 2500mm PLAIN END	1-CC-1580
AIR SUB-D 1 COAX 4 INSTR CABLE 2500mm BNC MALE END	1-CC-2580
AIR SUB-D 3 COAX CABLE 2500mm BNC MALE END	1-CC-3580
AIR SUB-D 5 COAX CABLE 2500mm BNC MALE END	1-CC-4580



Description

Our Kapton insulated wires are designed for high and ultrahigh vacuum applications to 1×10^{-11} mbar and are bakeable to 250° C. All conductors are silver plated copper wire where not indicated. Kapton as insulation material is heat treated to minimize trapped gases. Ribbon cables and circular cables are available. Cables in coaxial and twisted pair design are available. For specific lengths please contact our sales office. For better use coloured coded beads can be supplied.

Specifications:

Voltage	see table
Current:	see table
Characteristics of Kapton:	
Dielectric constant:	3.1
Dielectric strength:	80kV/mm
Dissipation factor:	0.0015
Initial tear:	13.4N
Tensile streagth:	10MPa
Elongation:	75%
Moisture absorption:	1.3% @ 50% RH
Radiation resistance:	10 ⁷ rads (non flexing application)
Temperature range	
Max operating temp:	200 °C
Max bakeout temp:	260 °C
Min operating temp:	-269 °C

Please see our list of In-vacuum Kapton insulated wiring on the next pages!

If you are looking for an additional design or a special length please contact our sales office.



In- vacuum wiring: Kapton insulated wires for use in UHV

Part	Description	Diameter conductor	Overall diameter	V max. @DC	I max. @DC	Resis-tivity
		[mm]	[mm]	[kV]	[A]	[Ω/km]
Single wire with 1 Kapton insulation:						
1)	pure copper wire	0.1	0.15	2	0.1	2270
2)	silver plated copper wire	0.15	0.17	1.5	0.25	1160
3)	silver plated copper wire	0.25	0.55	2	1.5	375
4)	silver plated copper wire	0.6	0.9	2	5.5	64
5)	silver plated copper wire	1.0	1.52	5	10	22.6
Multi wire with 1 Kapton insulation:						
6)	Silver plated copper multi strand wire, 7x0.08mm	0.23	0.5	1	0.5	510
7)	Silver plated copper multi strand wire, 7x0.13mm	0.39	0.51	2	2	244
8)	Silver plated copper multi strand wire, 7x0.15mm	0.45	0.64	2	3	159
9)	Silver plated copper multi strand wire, 7x0.20mm	0.6	0.76	2	4	88.3
10)	Silver plated copper multi strand wire, 19x0.13mm	0.65	0.89	2	6	58.6
11)	Silver plated copper multi strand wire, 19x0.18mm	0.9	1.09	2	8	32.5
12)	Silver plated copper multi strand wire, 19x0.23mm	1.15	1.3	2	11	20.6
13)	Silver plated copper multi strand wire, 19x0.25mm	1.25	1.52	2	14	14.3
14)	Silver plated copper multi strand wire, 19x0.28mm	1.4	1.65	2	16	11.4
15)	Silver plated copper multi strand wire, 19x0.38mm	1.9	2.16	2	25	6.2

In- vacuum wiring: Kapton insulated wires for use in UHV

Part	Description	Diameter conductor	Overall diameter	V max. @DC	I max. @DC	Resis- tivity
		[mm]	[mm]	[kV]	[A]	[Ω/km]
Coaxial cable:						
16)	50 Ohm silver plated copper multi strand conductor; 7x0.15mm, Kapton insulated, with silverplated wire shielding and Kapton sheath	0.45	2.3	2	1	159
17)	Silver plated copper multi strand conductor; 7x0.2mm, Kapton insulated, with silverplated wire shielding and Kapton sheath	0.6	1.48	2	4.5	88.3
18)	Single silver plated copper conductor; 0.25mm, Kapton insulated with silverplated wire shielding	0.25	1	2	2	377
Thermocouple wire:						
19)	thermocouple type K wire, each wire with Kapton insulation, ends open	2x0.2		Signal only	Signal only	
Shielded twisted pair:						
20)	Shielded twisted pair cable: 1 pair; each wire silverplated copper with Kapton shielding, with additional overall shielding	2x0.13	2.8	2	2	244
21)	Shielded twisted pair cable: 2 pairs; each wire silverplated copper with Kapton shielding, with additional overall shielding	4x0.13	3.6	2	2	244
22)	Shielded twisted pair cable: 12 pairs; each wire silverplated copper with Kapton shielding, with additional overall shielding	12x0.13	4.7	2	2	244

Wire & Rods

Description	Part Number
WIRE SST 304 0,8mm SIZE (300mm LONG)	1-CC-4360
WIRE SST 304 1,3mm SIZE (300mm LONG)	1-CC-5360
WIRE SST 304 2,4mm SIZE (300mm LONG)	1-CC-6360
WIRE SST 304 6,4mm SIZE (300mm LONG)	1-CC-7360
WIRE NICKEL NI-200 0,8mm SIZE (300mm LONG)	1-CC-0360
WIRE NICKEL NI-200 1,3mm SIZE (300mm LONG)	1-CC-1360
WIRE NICKEL NI-200 2,4mm SIZE (300mm LONG)	1-CC-2360
WIRE NICKEL NI-200 6,4mm SIZE (300mm LONG)	1-CC-3360
WIRE COPPER OFHC 0,8mm SIZE (300mm LONG)	1-CC-6260
WIRE COPPER OFHC 1,3mm SIZE (300mm LONG)	1-CC-7260
WIRE COPPER OFHC 2,4mm SIZE (300mm LONG)	1-CC-8260
WIRE COPPER OFHC 6,4mm SIZE (300mm LONG)	1-CC-9260

Flexible shielding

Description	Part Number
FLEX SHIELDING 3,2mm sst (300mm LONG)	1-CC-6660
FLEX SHIELDING 6,4mm sst (300mm LONG)	1-CC-7660

Ceramic standoff, steatite, female

Description	Part Number
CERAMIC STAND-OFF A3KV/V7KV 6-32 10MM	1-CC-8460
CERAMIC STAND-OFF A4KV/V10KV 6-32 13MM	1-CC-9460
CERAMIC STAND-OFF A5KV/V12KV 8-32 16MM	1-CC-0560
CERAMIC STAND-OFF A6KV/V15KV 8-32 19MM	1-CC-1560
CERAMIC STAND-OFF A8KV/V20KV 6-32 25MM	1-CC-2560
CERAMIC STAND-OFF A8KV/V20KV 8-32 25MM	1-CC-3560
CERAMIC STAND-OFF A8KV/V20KV 10-32 25MM	1-CC-4560
CERAMIC STAND-OFF A10KV/V25KV 1/4"-20 32MM	1-CC-5560
CERAMIC STAND-OFF A14KV/V35KV 8-32 51MM	1-CC-6560
CERAMIC STAND-OFF A14KV/V35KV 10-32 51MM	1-CC-7560
CERAMIC STAND-OFF A16KV/V40KV 1/4"-20 64MM	1-CC-8560

Ceramic beads, alumina

Description	Part Number
CERAMIC BEADS L=3 - 125 - 1,1WIRE DIAM	1-CC-8360
CERAMIC BEADS L=5 - 85 - 1,6WIRE DIAM	1-CC-9360
CERAMIC BEADS L=4 - 73 - 1,3WIRE DIAM	1-CC-0460
CERAMIC BEADS L=7 - 56 - 2,6WIRE DIAM	1-CC-1460
CERAMIC BEADS L=7 - 53 - 3,3WIRE DIAM	1-CC-2460
CERAMIC BEADS L=10 - 38 - 3,3WIRE DIAM	1-CC-3460

Ceramic spacers, alumina

Description	Part Number
CERAMIC SPACER 4-10PIN HOLE 1,8	1-CC-4460
CERAMIC SPACER 6PIN HOLE 1,8	1-CC-5460
CERAMIC SPACER 20PIN HOLE 1,8	1-CC-6460
CERAMIC SPACER 35PIN HOLE 1,8	1-CC-7460

Ceramic Split bushes

For ceramic split bushes (male and female) in standard sizes M1 to M6 and larger please contact our sales office

