High Voltage 9-Pin D-type Accessories

90-003HVD

- High Voltage to 750 V working/1000 VDC AC Peak Typical, 5 A
- Cable Assemblies
- Cable Connectors
- PCB Connectors
- Guaranteed Compatibility
- 9-Pin Standard Voltage Solutions are also Available. See Data Sheet 90-003D

Simple Connection

Pickering connection solutions provide a simple way of connecting to a user's device under test or remote connection. The products include cable assemblies, cable connectors and pcb connectors.

Cable Assemblies

Cable assemblies are offered in connector to connector, and connector to unterminated versions. There are 3 termination options for the unterminated cables - ferrules, tinned copper or simple cut end.

Custom Design Needs

Pickering Interfaces can manufacture custom connector accessories to suit any application. If you do not see what you need in this data sheet contact your Pickering Interfaces sales office with information on your requirements or consider using our free online Cable Design Tool.

Using our Cable Design Tool, you can graphically design your own custom cable assembly. Once completed and submitted, our engineers will generate a quote for your cable requirements. See pickeringtest.com/cdt

Example of a Pickering LXI Product using a 9-Pin High Voltage D-type Connector

High Voltage - Cable Assemblies

Description		End 1 Gender & Cable Exit	End 2 Gender & Cable Exit	End 2 Options	Cable Length	Product Order Code and Part Number	Data Sheet Page
	Cable Assy, 9-Pin D-Type, 5 A, HV	Male, 45° Towards Pin 1	Female, 45° Away from Pin 1	-	0.5 m 1 m 2 m	40-970-009-0.5m-MF-HV 40-970-009-1m-MF-HV 40-970-009-2m-MF-HV	4
		Female, 45° Away from Pin 1	Female, 45° Away from Pin 1	-	0.5 m 1 m 2 m	40-970-009-0.5m-FF-HV 40-970-009-1m-FF-HV 40-970-009-2m-FF-HV	5
	Cable Assy, 9-Pin D-Type to Unterminated, 5 A, HV	Female, 45° Away from Pin 1	NA	Ferrules	0.5 m 1 m 2 m	40-972-009-0.5m-FU-HV 40-972-009-1m-FU-HV 40-972-009-2m-FU-HV	6
				Tinned End	0.5 m 1 m 2 m	A009DF4-T-HA050 A009DF4-T-HA100 A009DF4-T-HA200	
				Cut End	0.5 m 1 m 2 m	A009DF4-C-HA050 A009DF4-C-HA100 A009DF4-C-HA200	

Note: Custom lengths by quotation

High Voltage - Female Connectors

Description		Gender & Cable Exit	Type	Product Order Code and Part Number	Page
	Cable Connector 9-Pin D-Type, 5 A, HV, Solder Bucket	Female, 45° Options	With Backshell	40-960-009-F-HV	7
			Without Backshell	92-960-009-F-HV	
	PCB Connector 9-Pin D-Type, 5 A, HV	Female	Right Angle PCB Mount	40-963-009-RF-HV	8
			Straight PCB Mount	40-963-009-SF-HV	9

High Voltage - Male PCB Connectors

Description		Gender & Cable Exit	Type	Product Order Code and Part Number	Page
	PCB Connector 9-Pin D-Type, 5 A, HV	Male	Right Angle PCB Mount	40-963-009-RM-HV	10
			Straight PCB Mount	40-963-009-SM-HV	11

Please click on the page number to navigate to the data sheet page required. Return to this page via the C button.

Additional Accessories

Although the items below do not directly mate with Pickering Interfaces products, customers may find them useful in the development of their own connection solutions.

High Voltage - Cable Assemblies

Description		End 1	End 2		Cable Length	Product Order Code and Part Number	Data Sheet Page
		Gender & Cable Exit	Gender & Cable Exit	Options			
	Cable Assy, 9-Pin D-Type, 5 A, HV	Male, 45° Towards Pin 1	Male, 45° Towards Pin 1	-	0.5 m 1 m 2 m	40-970-009-0.5m-MM-HV 40-970-009-1m-MM-HV 40-970-009-2m-MM-HV	13
	Cable Assy, 9-Pin D-Type to Unterminated, 5 A, HV	Male, 45° Towards Pin 1	NA	Ferrules	0.5 m 1 m 2 m	40-972-009-0.5m-MU-HV 40-972-009-1m-MU-HV 40-972-009-2m-MU-HV	14
				Tinned End	0.5 m 1 m 2 m	A009DM5-T-HA050 A009DM5-T-HA100 A009DM5-T-HA200	
				Cut End	0.5 m 1 m 2 m	A009DM5-C-HA050 A009DM5-C-HA100 A009DM5-C-HA200	
Note: Custom lengths by quotation							

High Voltage - Male Connectors

Description		Gender & Cable Exit	Type	Product Order Code and Part Number	Page
	Cable Connector 9-Pin D-Type, 5 A, HV, Solder Bucket	Male, 45° Options	With Backshell	40-960-009-M-HV	15
			Without Backshell	92-960-009-M-HV	

Custom Termination

Cable Assy - Male to Female

90-003HVD

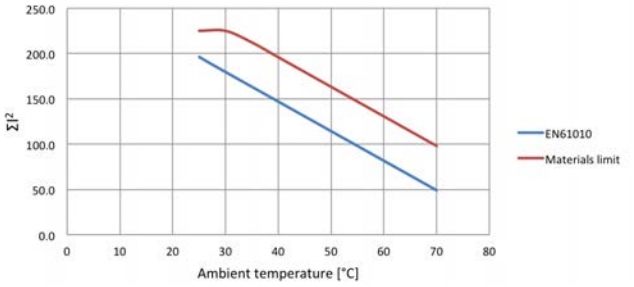
- High Specification, Highly Flexible Cable
- Fully Screened Cable Construction with Strain Relief
- 45 Degree Cable Exit

9-Pin HV D-Type Cable Assembly

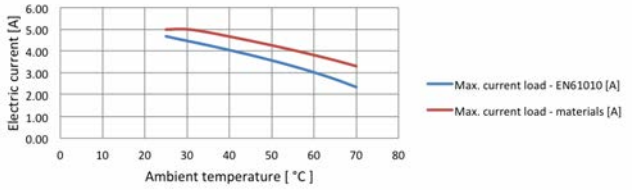
Technical Specification

Connector Type (End A):	9-Pin D-Subminiature, HV
Gender	Female
Securing Method	4-40 UNC screwlocks, male
Connector Type (End B):	9-Pin D-Subminiature, HV
Gender	Male
Securing Method	4-40 UNC screwlocks, male
Maximum Current	5 A
Maximum Voltage	750 V working/1000 VDC peak typical
Insulation Resistance	1000 MOhm
Connectors:	
Contact Material	Gold plated copper alloy
Contact Resistance	<20 mOhm
Cable Exit:	
Female Connectors	45° (Away from Pin 1)
Male Connectors	45° (Towards Pin 1)
Overall Size (Approx)	H36 x W15 x D46 mm
Cable Type:	Individual wires, screened & sleeved
Conductor: Material	Tinned copper wire
Strands	7/0.2 (0.2 mm², 24AWG)
Resistance	0.089 Ω/m (max) at 20 °C
Insulation	PTFE Type C (BS3G210)
Outer Sleeve	Polyester
Screened Construction	Yes (Cable screen connected to backshells)
Additional Braided Sleeve	Yes
Cable O/D	8 mm
Minimum Bend Radius	25 mm
Door Closure Allowance	50 mm (see diagram)

Characteristic Plots for 40-970-009-1m-MF-HV

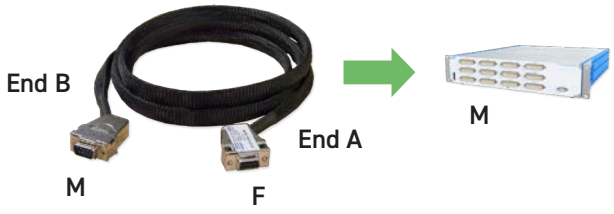


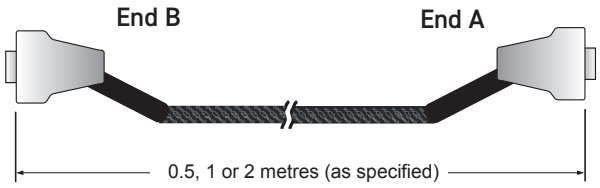
The graph shows the permitted ΣI² versus ambient temperature in accordance with EN61010 for user exposure to surface temperature and a higher limit imposed by the materials used where the cable is not directly user accessible.

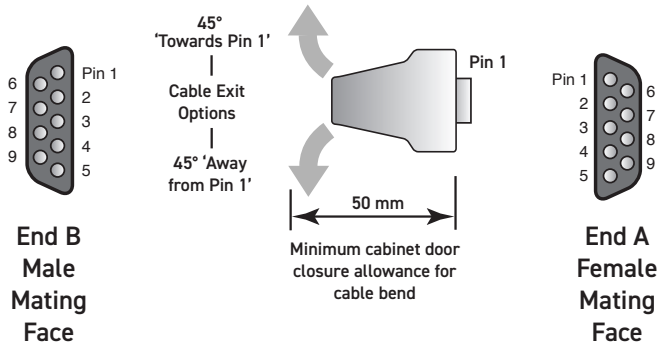


The graph shows the allowed current versus temperature assuming ALL wires carry the same current. Higher currents to the cable rating are permitted on individual wires provided the ΣI² is complied with.

Product Compatibility







Product Order Codes

9-Pin D-Type Cable Assy, 5 A, Male to Female, HV,	
0.5 m Long	40-970-009-0.5m-MF-HV
1.0 m Long	40-970-009-1m-MF-HV
2.0 m Long	40-970-009-2m-MF-HV

Note: Other cable lengths can be supplied.

Cable Assy - Female to Female

90-003HVD

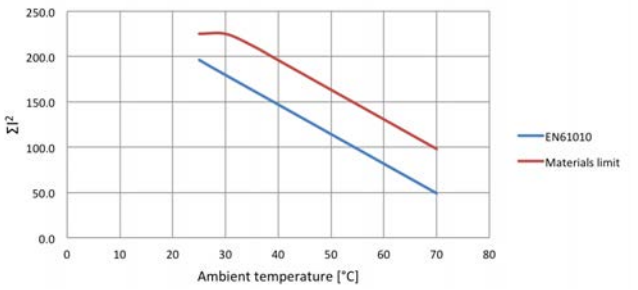
- High Specification, Highly Flexible Cable
- Fully Screened Cable Construction with Strain Relief
- 45 Degree Cable Exit

9-Pin HV D-Type Cable Assembly

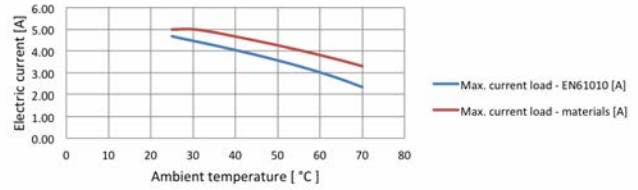
Technical Specification

Connector Type (End A):	9-Pin D-Subminiature, HV
Gender	Female
Securing Method	4-40 UNC screwlocks, male
Connector Type (End B):	9-Pin D-Subminiature, HV
Gender	Female
Securing Method	4-40 UNC screwlocks, male
Maximum Current	5 A
Maximum Voltage	750 V working/1000 VDC peak typical
Insulation Resistance	1000 MOhm
Connectors:	
Contact Material	Gold plated copper alloy
Contact Resistance	<20 mOhm
Cable Exit:	45° (Away from Pin 1)
Overall Size (Approx)	H36 x W15 x D46 mm
Cable Type:	Individual wires, screened & sleeved
Conductor: Material	Tinned copper wire
Strands	7/0.2 (0.2 mm², 24AWG)
Resistance	0.089 Ω/m (max) at 20 °C
Insulation	PTFE Type C (BS3G210)
Outer Sleeve	Polyester
Screened Construction	Yes (Cable screen connected to backshells)
Additional Braided Sleeve	Yes
Cable O/D	8 mm
Minimum Bend Radius	25 mm
Door Closure Allowance	50 mm (see diagram)

Characteristic Plots for 40-970-009-1m-FF-HV

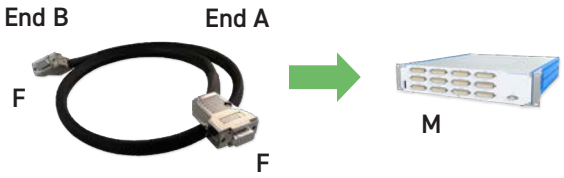


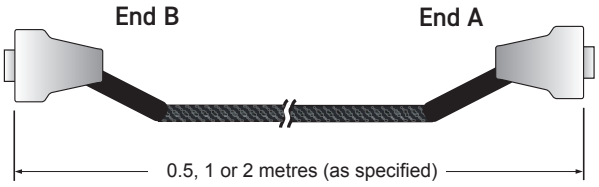
The graph shows the permitted ΣI² versus ambient temperature in accordance with EN61010 for user exposure to surface temperature and a higher limit imposed by the materials used where the cable is not directly user accessible.

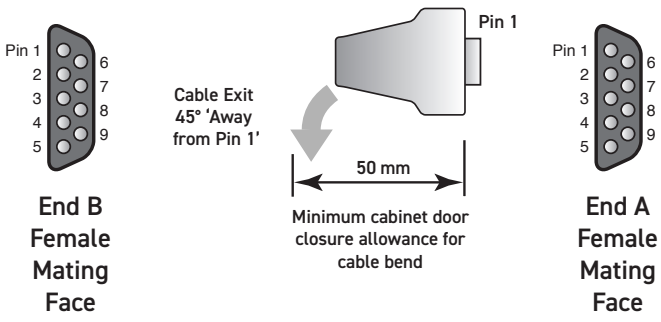


The graph shows the allowed current versus temperature assuming ALL wires carry the same current. Higher currents to the cable rating are permitted on individual wires provided the ΣI² is complied with.

Product Compatibility







Product Order Codes

9-Pin D-Type Cable Assy, 5 A, Female to Female, HV,	
0.5 m Long	40-970-009-0.5m-FF-HV
1.0 m Long	40-970-009-1m-FF-HV
2.0 m Long	40-970-009-2m-FF-HV

Note: Other cable lengths can be supplied.

Cable Assy - Female to Unterminated

90-003HVD

- High Specification, Highly Flexible Cable
- Fully Screened Cable Construction with Strain Relief
- Fully Coded Markers to Ensure Easy Connection

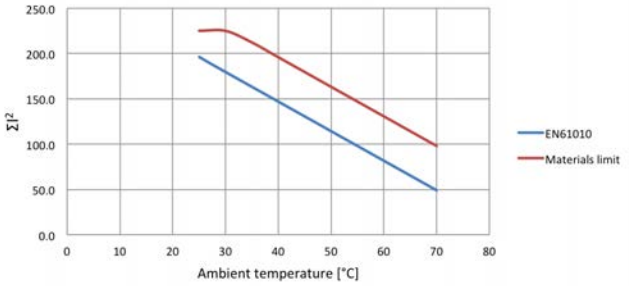
9-Pin HV D-Type Unterminated Cable Assembly

Technical Specification

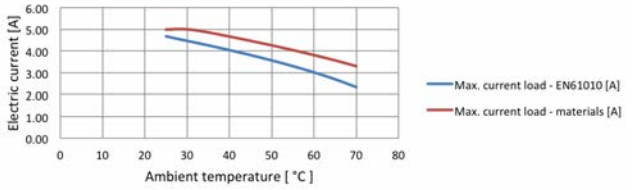
Connector Type (End A):	9-Pin D-Subminiature, HV
Gender	Female
Securing Method	4-40 UNC screwlocks, male
Unterminated End (End B):	
Free Wire Length	130 mm nominal
Individual Wire Labelling	To connector pins A white/black screen pigtail is also included
Wire End Options	Ferrules, Tinned, Cut End
Maximum Current	5 A
Maximum Voltage	750 V working/1000 VDC peak typical
Insulation Resistance	1000 MOhm
Connector:	
Contact Material	Gold plated copper alloy
Contact Resistance	<20 mOhm
Cable Exit	45° (Away from Pin 1)
Overall Size (Approx)	H36 x W15 x D46 mm
Cable Type:	Individual wires, screened & sleeved
Conductor: Material	Tinned copper wire
Strands	7/0.2 (0.2 mm^2, 24AWG)
Resistance	0.089 Ω/m (max) at 20 °C
Insulation	PTFE Type C (BS3G210)
Outer Sleeve	Polyester
Screened Construction	Yes (Cable screen connected to backshell)
Additional Braided Sleeve	Yes
Cable O/D	8 mm
Minimum Bend Radius	25 mm
Door Closure Allowance	50 mm (see diagram)

Note: When using this product please ensure appropriate electrical safety.

Characteristic Plots for 40-970-009-1m-FU-HV

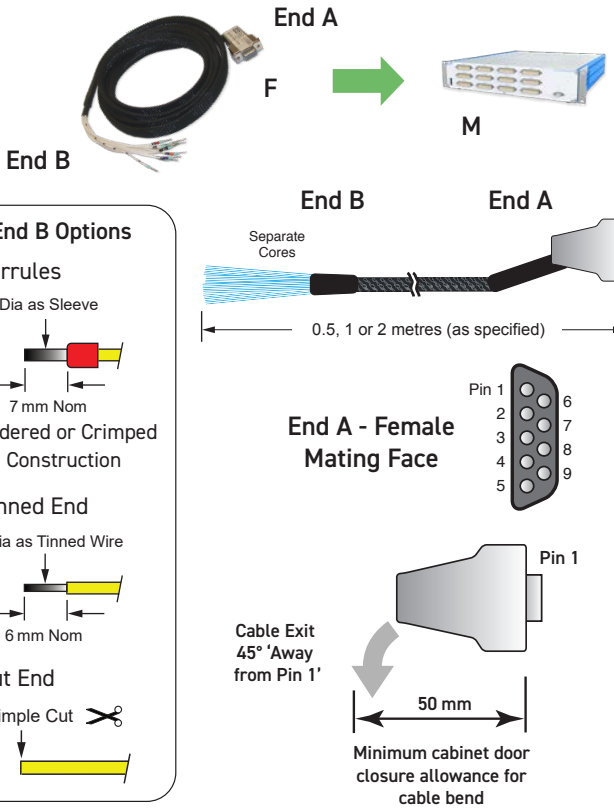


The graph shows the permitted ΣI^2 versus ambient temperature in accordance with EN61010 for user exposure to surface temperature and a higher limit imposed by the materials used where the cable is not directly user accessible.



The graph shows the allowed current versus temperature assuming ALL wires carry the same current. Higher currents to the cable rating are permitted on individual wires provided the ΣI^2 is complied with.

Product Compatibility



Product Order Codes

9-Pin D-Type Cable Assy, 5 A, Ferrules, HV,	
Female to Unterminated, 0.5 m Lg	40-972-009-0.5m-FU-HV
Female to Unterminated, 1.0 m Lg	40-972-009-1m-FU-HV
Female to Unterminated, 2.0 m Lg	40-972-009-2m-FU-HV

Part numbers for other versions:

A009DF4-*-HA***

End B:	Cable Length:
T = Tinned End	050 = 0.5 m
C = Cut End	100 = 1.0 m
	200 = 2.0 m

Note: Other cable lengths can be supplied.

Cable Connector - Female

90-003HVD

- Connector only or Connector and Backshell
- Cable Clamp in Backshell
- Soldered Cable Termination

This accessory is designed to allow users to directly terminate with soldered connections to the connector.

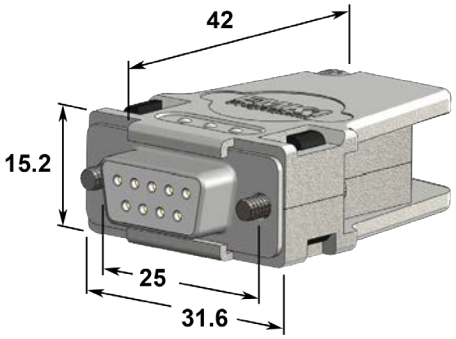
Connector and shell are supplied separately to allow the user to determine the direction of the cable exit.

When the product is used without a backshell users should make their own cable strain relief arrangements and ensure appropriate electrical safety precautions are observed.

9-Pin HV D-Type Cable Connector with Backshell

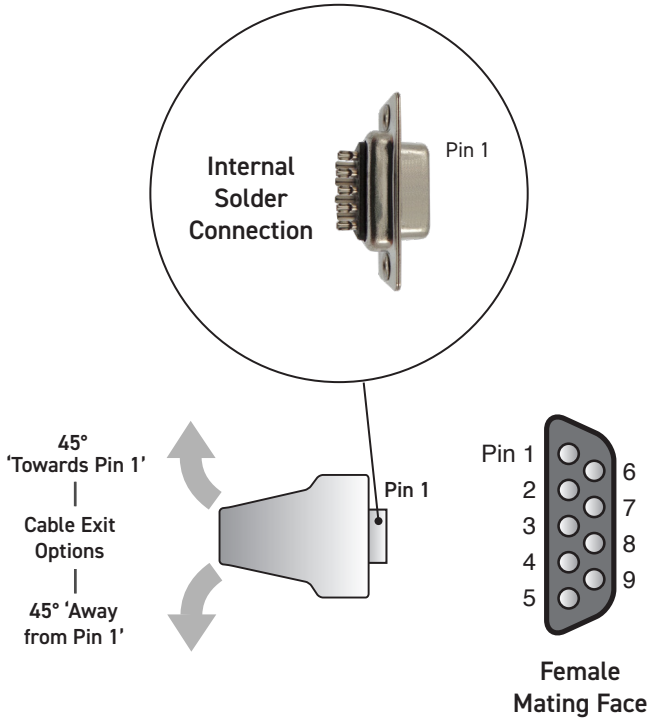
Technical Specification

Connector Type:	9-Pin D-Subminiature, HV
Gender	Female
Securing Method:	
Product with Backshell	4-40 UNC screwlocks, male
Product without Backshell	4-40 UNC screwlocks, male
Wire Connection	Solder bucket. A backshell fixing is also provided for a cable screen
Connector Ratings:	
Maximum Current	5 A
Maximum Voltage	750 V working/1000 VDC peak typical
Cable Exit:	45°
Cable Exit Size	15 mm dia
Overall Size (Approx)	H31.6 x W15.2 x D46 mm
9-Pin D-Sub HV:	
Contact Material	Gold plated copper alloy
Contact Resistance	<20 mOhm
Wire Connection:	
Maximum Wire Size	20AWG
Recommended Insulation	PTFE Type C
Additional Cable Clamp	Yes (in backshell)



Connector Dimensions

Product Compatibility



Product Order Codes

9-Pin D-Type Connector, 5 A, Solder Bucket, HV,	
With Backshell, Female	40-960-009-F-HV
Without Backshell, Female	92-960-009-F-HV

PCB Connector, Right Angle - Female

90-003HVD

- Right Angle PCB Mount
- Ideal for User Created Termination Solutions

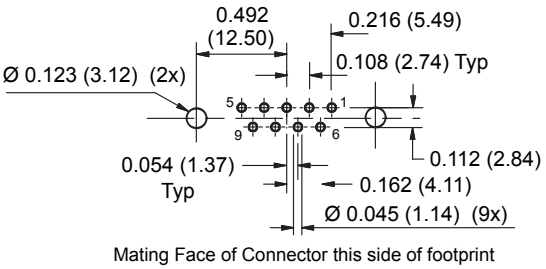
This accessory allows a user to create their own PCB based termination solution mounted on the end of a cable. Suitable cables for this product are contained elsewhere in this data sheet. Interfacing PCBs should be designed with suitable clearances for the voltage the application requires.

Note: This product is not suitable for directly mounting onto the front panel of a Pickering switching product.

9-Pin HV D-Type PCB Connector

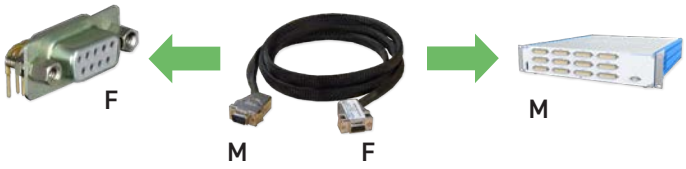
Technical Specification

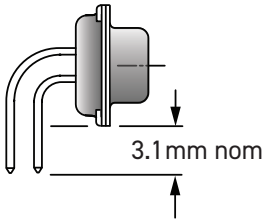
Connector Type:	9-Pin D-Subminiature, HV
Gender	Female
Securing Method	4-40 UNC screwlocks, female
PCB Mounting	Right angle PCB mount, solder
Connector Ratings:	
Maximum Current	5 A each pin
Maximum Voltage	750 VDC/AC peak
9-Pin D-Sub HV:	
Contact Material	Gold plated copper alloy
Contact Resistance	<20 mOhm
PCB Legs:	
Effective Leg Length	3.1 mm nom (See diagram)



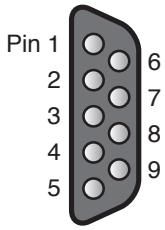
PCB Footprint of 9-Pin Right Angle Female HV Connector (Connector Side - Not to Scale)

Product Compatibility





Effective Leg Length



Female Mating Face

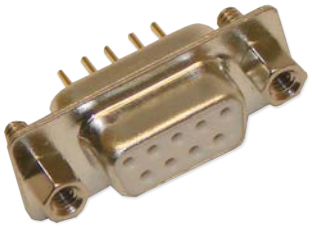
Product Order Codes

9-Pin D-Type Connector, 5 A, Right Angle PCB Mount, HV, Female	40-963-009-RF-HV

- Straight PCB Mount
- Ideal for User Created Termination Solutions

This accessory allows a user to create their own PCB based termination solution mounted on the end of a cable. Suitable cables for this product are contained elsewhere in this data sheet. Interfacing PCBs should be designed with suitable clearances for the voltage the application requires.

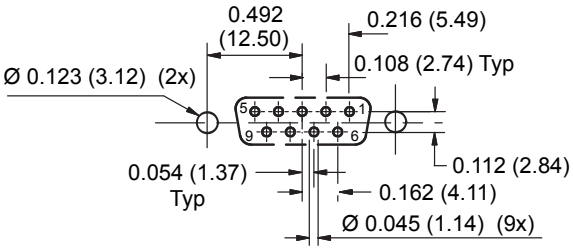
Note: This product is not suitable for directly mounting onto the front panel of a Pickering switching product.



9-Pin HV D-Type PCB Connector

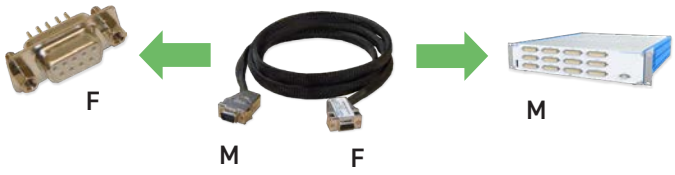
Technical Specification

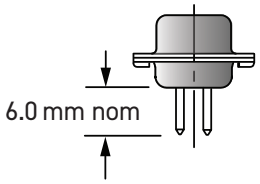
Connector Type:	9-Pin D-Subminiature, HV
Gender	Female
Securing Method	4-40 UNC screwlocks, female
PCB Mounting	Straight PCB mount, solder
Connector Ratings:	
Maximum Current	5 A each pin
Maximum Voltage	750 VDC/AC peak
9-Pin D-Sub HV:	
Contact Material	Gold plated copper alloy
Contact Resistance	<20 mOhm
PCB Legs:	
Leg Length	6.0 mm nom (See diagram)



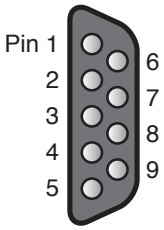
PCB Footprint of 9-Pin Straight Female HV Connector
(Connector Side - Not to Scale)

Product Compatibility





Leg Length



Female
Mating Face

Product Order Codes

9-Pin D-Type Connector, 5 A, Straight PCB Mount, HV, Female	40-963-009-SF-HV

PCB Connector, Right Angle - Male

90-003HVD

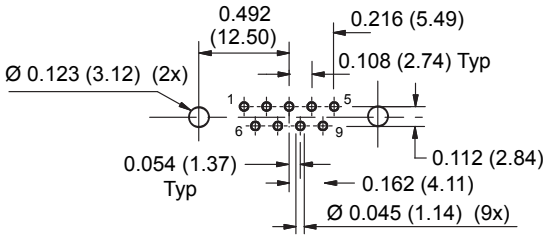
- Right Angle PCB Mount
- Ideal for User Created Termination Solutions

This accessory allows a user to create their own PCB based termination solution mounted on the end of a cable. Suitable cables for this product are contained elsewhere in this data sheet. Interfacing PCBs should be designed with suitable clearances for the voltage the application requires.

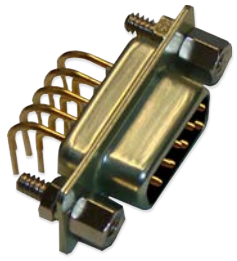
Note: This product is not suitable for directly mounting onto the front panel of a Pickering switching product.

Technical Specification

Connector Type:	9-Pin D-Subminiature, HV
Gender	Male
Securing Method	4-40 UNC screwlocks, female
PCB Mounting	Right angle PCB mount, solder
Connector Ratings:	
Maximum Current	5 A each pin
Maximum Voltage	750 VDC/AC peak
9-Pin D-Sub HV:	
Contact Material	Gold plated copper alloy
Contact Resistance	<20 mOhm
PCB Legs:	
Effective Leg Length	3.1 mm nom (See diagram)

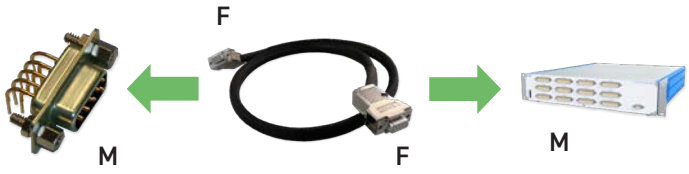


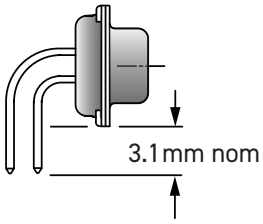
PCB Footprint of 9-Pin Right Angle Male HV Connector (Connector Side - Not to Scale)



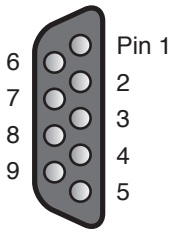
9-Pin HV D-Type PCB Connector

Product Compatibility





Effective Leg Length



Male Mating Face

Product Order Codes

9-Pin D-Type Connector, 5 A, Right Angle PCB Mount, HV, Male	40-963-009-RM-HV

PCB Connector, Straight - Male

90-003HVD

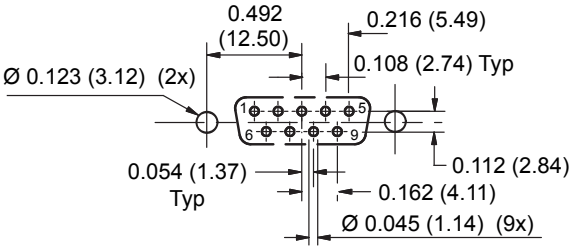
- Straight PCB Mount
- Ideal for User Created Termination Solutions

This accessory allows a user to create their own PCB based termination solution mounted on the end of a cable. Suitable cables for this product are contained elsewhere in this data sheet. Interfacing PCBs should be designed with suitable clearances for the voltage the application requires.

Note: This product is not suitable for directly mounting onto the front panel of a Pickering switching product.

Technical Specification

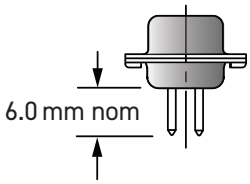
Connector Type:	9-Pin D-Subminiature, HV
Gender	Male
Securing Method	4-40 UNC screwlocks, female
PCB Mounting	Straight PCB mount, solder
Connector Ratings:	
Maximum Current	5 A each pin
Maximum Voltage	750 VDC/AC peak
9-Pin D-Sub HV:	
Contact Material	Gold plated copper alloy
Contact Resistance	<20 mOhm
PCB Legs:	
Leg Length	6.0 mm nom (See diagram)



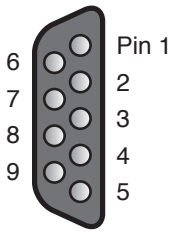
PCB Footprint of 9-Pin Straight Male HV Connector (Connector Side - Not to Scale)

9-Pin HV D-Type PCB Connector

Product Compatibility



Leg Length



Male Mating Face

Product Order Codes

9-Pin D-Type Connector, 5 A, Straight PCB Mount, HV, Male	40-963-009-SM-HV

Additional Connection Accessories

Although these items do not directly mate with Pickering Interfaces products customers may find them useful in the development of their own connection solutions.

Cable Assy - Male to Male

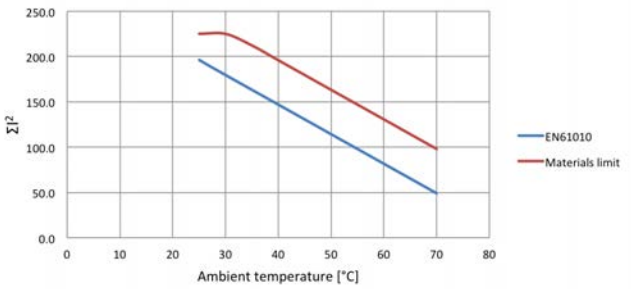
90-003HVD

- High Specification, Highly Flexible Cable
- Fully Screened Cable Construction with Strain Relief
- 45 Degree Cable Exit

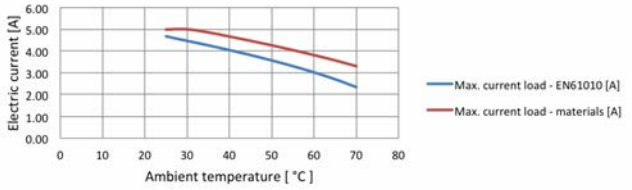
Technical Specification

Connector Type (End A):	9-Pin D-Subminiature, HV
Gender	Male
Securing Method	4-40 UNC screwlocks, male
Connector Type (End B):	9-Pin D-Subminiature, HV
Gender	Male
Securing Method	4-40 UNC screwlocks, male
Maximum Current	5 A
Maximum Voltage	750 V working/1000 VDC peak typical
Insulation Resistance	1000 MOhm
Connectors:	
Contact Material	Gold plated copper alloy
Contact Resistance	<20 mOhm
Cable Exit:	45° (Towards Pin 1)
Overall Size (Approx)	H36 x W15 x D46 mm
Cable Type:	Individual wires, screened & sleeved
Conductor: Material	Tinned copper wire
Strands	7/0.2 (0.2 mm², 24AWG)
Resistance	0.089 Ω/m (max) at 20 °C
Insulation	PTFE Type C (BS3G210)
Outer Sleeve	Polyester
Screened Construction	Yes (Cable screen connected to backshells)
Additional Braided Sleeve	Yes
Cable O/D	8 mm
Minimum Bend Radius	25 mm
Door Closure Allowance	50 mm (see diagram)

Characteristic Plots for 40-970-009-1m-MM-HV



The graph shows the permitted ΣI^2 versus ambient temperature in accordance with EN61010 for user exposure to surface temperature and a higher limit imposed by the materials used where the cable is not directly user accessible.

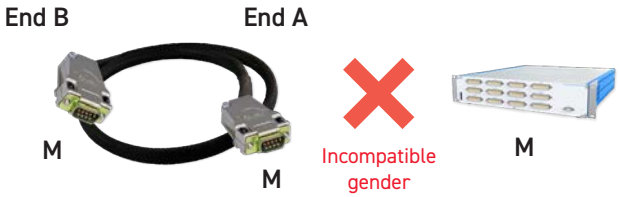


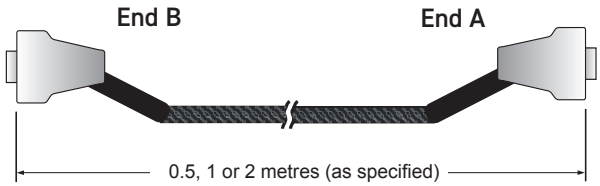
The graph shows the allowed current versus temperature assuming ALL wires carry the same current. Higher currents to the cable rating are permitted on individual wires provided the ΣI^2 is complied with.

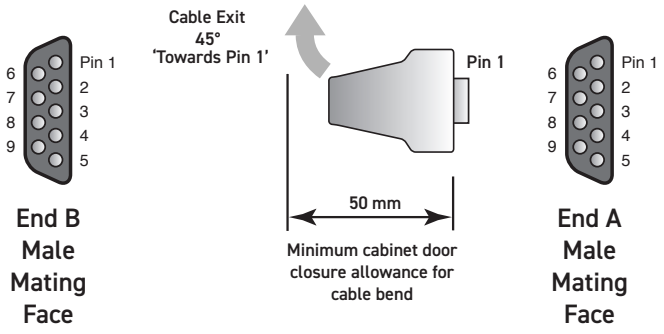
This Cable Assembly is Not Suitable for Connection to a Pickering Switching Product

9-Pin HV D-Type Cable Assembly

Product Compatibility







Product Order Codes

9-Pin D-Type Cable Assy, 5 A, Male to Male, HV,	
0.5 m Long	40-970-009-0.5m-MM-HV
1.0 m Long	40-970-009-1m-MM-HV
2.0 m Long	40-970-009-2m-MM-HV

Note: Other cable lengths can be supplied.

Cable Assy - Male to Unterminated

90-003HVD

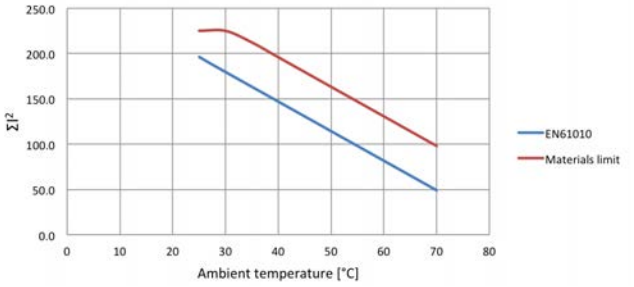
- High Specification, Highly Flexible Cable
- Fully Screened Cable Construction with Strain Relief
- Fully Coded Markers to Ensure Easy Connection

Technical Specification

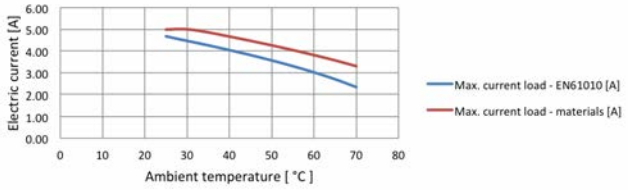
Connector Type (End A):	9-Pin D-Subminiature, HV
Gender	Male
Securing Method	4-40 UNC screwlocks, male
Unterminated End (End B):	
Free Wire Length	130 mm nominal
Individual Wire Labelling	To connector pins A white/black screen pigtail is included
Wire End Options	Ferrules, Tinned, Cut End
Maximum Current	5 A
Maximum Voltage	750 V working/1000 VDC peak typical
Insulation Resistance	1000 MOhm
Connector:	
Contact Material	Gold plated copper alloy
Contact Resistance	<20 mOhm
Cable Exit	45° (Towards Pin 1)
Overall Size (Approx)	H36 x W15 x D46 mm
Cable Type:	Individual wires, screened & sleeved
Conductor: Material	Tinned copper wire
Strands	7/0.2 (0.2 mm², 24AWG)
Resistance	0.089 Ω/m (max) at 20 °C
Insulation	PTFE Type C (BS3G210)
Outer Sleeve	Polyester
Screened Construction	Yes (Cable screen connected to backshell)
Additional Braided Sleeve	Yes
Cable O/D	8 mm
Minimum Bend Radius	25 mm
Door Closure Allowance	50 mm (see diagram)

Note: When using this product please ensure appropriate electrical safety.

Characteristic Plots for 40-970-009-1m-MU-HV

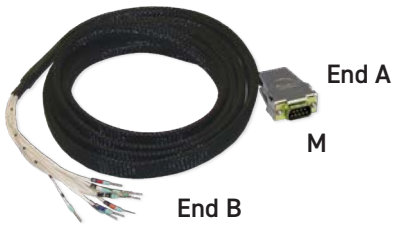


The graph shows the permitted ΣI² versus ambient temperature in accordance with EN61010 for user exposure to surface temperature and a higher limit imposed by the materials used where the cable is not directly user accessible.



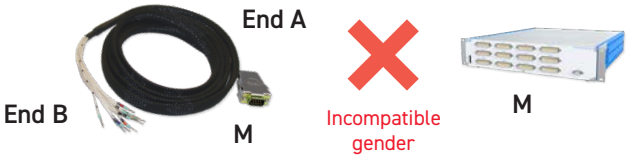
The graph shows the allowed current versus temperature assuming ALL wires carry the same current. Higher currents to the cable rating are permitted on individual wires provided the ΣI² is complied with.

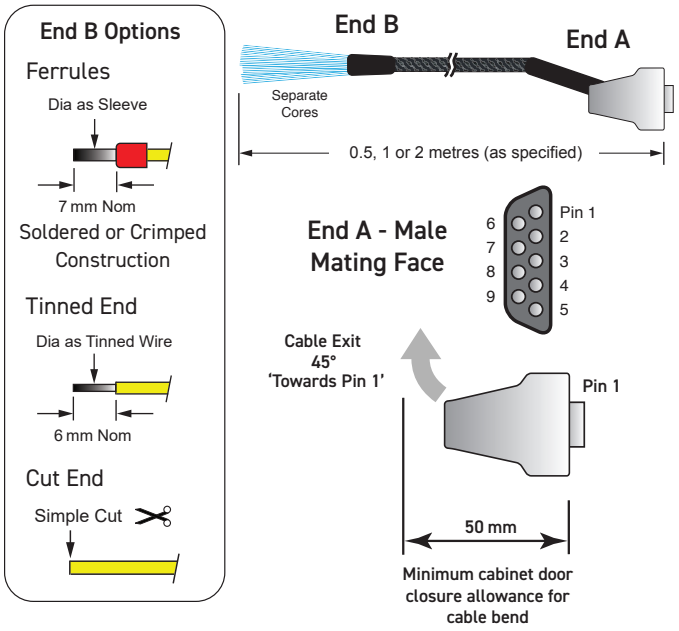
This Cable Assembly is Not Suitable for Connection to a Pickering Switching Product



9-Pin HV D-Type Unterminated Cable Assembly

Product Compatibility





Product Order Codes

9-Pin D-Type Cable Assy, 5 A, Ferrules, HV,	
Male to Unterminated, 0.5 m Lg	40-972-009-0.5m-MU-HV
Male to Unterminated, 1.0 m Lg	40-972-009-1m-MU-HV
Male to Unterminated, 2.0 m Lg	40-972-009-2m-MU-HV

Part numbers for other versions:

A009DM5-*-HA***

- End B: T = Tinned End, C = Cut End
- Cable Length: 050 = 0.5 m, 100 = 1.0 m, 200 = 2.0 m

Note: Other cable lengths can be supplied.

Cable Connector - Male

90-003HVD

- Connector only or Connector and Backshell
- Male Screwlocks
- Cable Clamp in Backshell
- Soldered Cable Termination

This accessory is designed to allow users to directly terminate with soldered connections to the connector.

Connector and shell are supplied separately to allow the user to determine the direction of the cable exit.

When the product is used without a backshell users should make their own cable strain relief arrangements and ensure appropriate electrical safety precautions are observed.

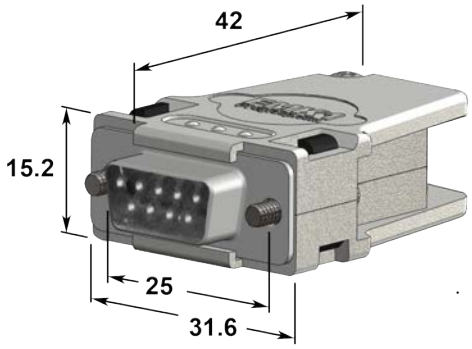
This Connector is Not Suitable for Connection to a Pickering Switching Product

M

9-Pin HV D-Type Connector with Backshell

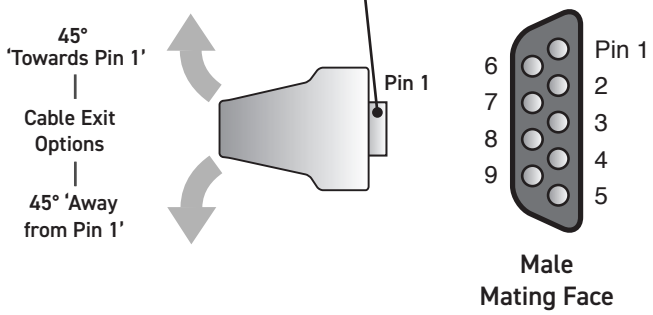
Technical Specification

Connector Type:	9-Pin D-Subminiature, HV
Gender	Male
Securing Method:	
Product with Backshell	4-40 UNC screwlocks, male
Product without Backshell	4-40 UNC screwlocks, male
Wire Connection	Solder bucket. A backshell fixing is also provided for a cable screen
Connector Ratings:	
Maximum Current	5 A
Maximum Voltage	750 V working/1000 VDC peak typical
Cable Exit:	45°
Cable Exit Size	15 mm dia
Overall Size (Approx)	H31.6 x W15.2 x D46 mm
9-Pin D-Sub HV:	
Contact Material	Gold plated copper alloy
Contact Resistance	<20 mOhm
Wire Connection:	
Maximum Wire Size	20AWG
Recommended Insulation	PTFE Type C
Additional Cable Clamp	Yes (in backshell)



Connector Dimensions

Product Compatibility



Male Mating Face

Product Order Codes

9-Pin D-Type Connector, 5 A, Solder Bucket, HV,	
With Backshell, Male	40-960-009-M-HV
Without Backshell, Male	92-960-009-M-HV

Custom Termination

Pickering Interfaces are able to manufacture custom built cable assemblies and backshells that mate with all the connectors we use in our extensive product range and to provide connection solutions for third party products.

We are able to model and manufacture cable assemblies and other termination arrangements to user notes and drawings, and to deal with simple and complex assemblies, and both small and high volume orders.

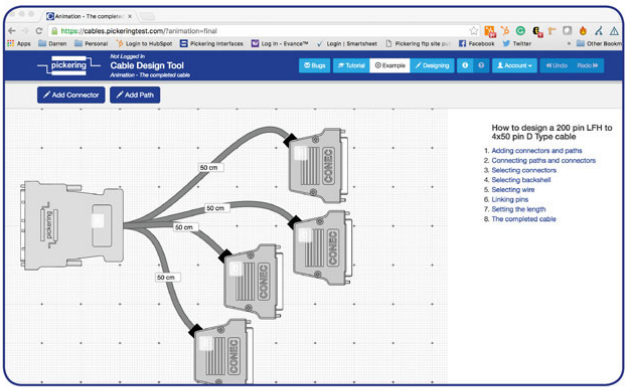
All products are designed to ensure easy and problem free connection.

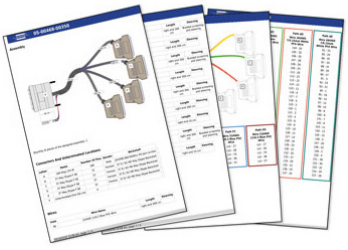
We offer a fast turn round of custom items to keep your ordering and integration time scales to a minimum.

Pickering's Cable Design Tool

Our Cable Design Tool is an online tool that allows you to define a cable assembly to exactly meet your requirements.

- Graphical design of customized cable assemblies
- Built-in library of standard cable sets can be used as the basis for customization, or cables can be defined from scratch
- The ability to store cable assemblies in the Cloud and develop them over time
- Each cable design has a PDF documentation file detailing all the specifications
- Allows detailed design including; connector types, wire type, pin definitions, pin & cable labelling, cable bundling, length selection, sleeving, comments, etc.
- Add your own connectors and wires
- Fully supported on major tablet operating systems





Because the Cable Design Tool is a web-based tool, we will continually update it to better accommodate your requirements and features. Your data is not trapped; complete details of the design are always available to the user at any time via the documentation or spreadsheet file. Once a cable is designed, you can submit it to us for quotation.

For more information visit: pickeringtest.com/cdt