

SMD4 Cables

Cables for connecting the SMD4 to vacuum feedthroughs



AML supply multiple cables for the SMD4 to suit your configuration. All are 3 metres long as standard.

SPECIFICATIONS

MOTOR CABLES

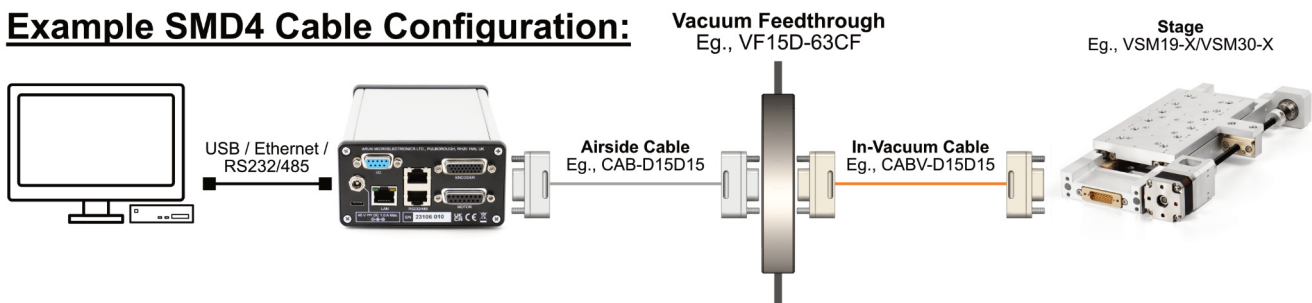
	CAB-D15D9	CAB-D15D15	CAB-D15MLF	CAB-3D15MLF
Length	3 metres			
Feedthrough Connection	9-way female D-sub	15-way female D-sub	MLF18AC	
SMD4 Connection	15-way male D-sub			3x 15-way male D-sub ⁽¹⁾
<small>(1) Use CAB-3D15MLF to connect up to three drives and motors through one feedthrough.</small>				

ENCODER CABLES

	CAB-ENCAS	CAB-D26D9
Encoder Type	Incremental	Absolute
Length	3 metres	
Feedthrough Connection	15-way female D-sub	9-way female D-sub
SMD4 Connection	26-way male D-sub	

CONFIGURATION EXAMPLE

Example SMD4 Cable Configuration:



NOTES

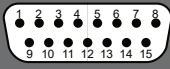
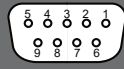
CUSTOM LENGTHS: AML can create custom length cables. If this required, please contact AML to discuss.

PINOUT DIAGRAMS: All connector images are shown from the mating side.

DETAILS

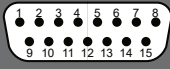
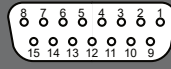
CAB-D15D9

SMD4 cable, 3 meters long.
D15M to D9F.

	SMD4 End Pinout	Feedthrough End Pinout
	D-sub, 15-way, Male, UHV	D-sub, 9-way, Female, UHV
		
Phase B2	1	1
Phase B1	2	2
Phase A2	3	3
Phase A1	4	4
Thermocouple -	7	7
Thermocouple +	8	8
RTD B2	13	9
RTD B1	14	6
RTD A	15	5

CAB-D15D15

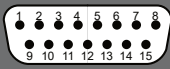
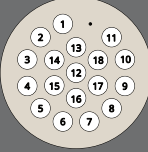
SMD4 cable, 3 meters long.
D15M to D15F.

	SMD4 End Pinout	Feedthrough End Pinout
	D-sub, 15-way, Male, UHV	D-sub, 15-way, Female, UHV
		
Phase B2	1	1
Phase B1	2	2
Phase A2	3	3
Phase A1	4	4
Limit 1	5	5
Limit 2	6	6
Thermocouple -	7	7
Thermocouple +	8	8
GND, Limit 1	11	11
GND, Limit 2	12	12
RTD B2	13	13
RTD B1	14	14
RTD A	5	15

DETAILS

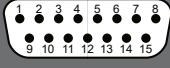

CAB-D15MLF

SMD4 cable, 3 meters long.
D15M to MLF18AC.

	SMD4 End Pinout	Feedthrough End Pinout
	D-sub, 15-way, Male, UHV	MLF18, 18-way, Female, UHV
		
Phase B2	1	4
Phase B1	2	2
Phase A2	3	3
Phase A1	4	1
Limit 1	5	17
Limit 2	6	11
Thermocouple -	7	6
Thermocouple +	8	5
GND, Limit 1	11	18
GND, Limit 2	12	12
RTD B2	13	15
RTD B1	14	14
RTD A	15	13

CAB-3D15MLF

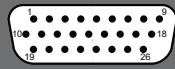
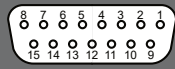
SMD4 cable, 3 meters long.
3x D15M to MLF18AC.

	SMD4 End Pinout	Feedthrough End Pinout
	3x D-sub, 15-way, Male, UHV	MLF18, 18-way, Female, UHV
		
Phase B2	1	4, 10, 16
Phase B1	2	2, 8, 14
Phase A2	3	3, 9, 15
Phase A1	4	1, 7, 13
Thermocouple -	7	6, 12, 18
Thermocouple +	8	5, 11, 17

DETAILS


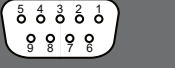
CAB-ENCAS

SMD4 incremental encoder cable,
3 meters long.
D26M to D15F.

	SMD4 End Pinout	Feedthrough End Pinout
	D-sub, 26-way, Male, UHV	D-sub, 15-way, Female, UHV
		
E	10	3
ENC A-	11	14
ENC A+	12	6
ENC B-	13	13
ENC B+	14	5
ENC Z-	15	12
ENC Z+	16	4
P	17	11
Q	18	10
5V	25	7
GND	26	2

CAB-D26D9

SMD4 absolute encoder cable, 3
meters long.
D26M to D9F.

	SMD4 End Pinout	Feedthrough End Pinout
	D-sub, 26-way, Male, UHV	D-sub, 9-way, Female, UHV
		
5V	1	2
MA-	2	3
MA+	3	4
SLO-	5	8
GND	7	7
SLO+	24	9

ORDERING INFORMATION

Order Code	
CAB-D15D9	SMD4 Cable, 3 metres long. D-Sub 15 Male to D-Sub 9 Female
CAB-D15D5	SMD4 Cable, 3 metres long. D-Sub 15 Male to D-Sub 15 Female
CAB-D15MLF	SMD4 Cable, 3 metres long. D-Sub 15 Male to MLF18
CAB-3D15MLF	SMD4 Cable, 3 metres long. 3X D-Sub 15 Male to MLF18
CAB-ENCAS	SMD4 Encoder Cable, Incremental, 3 metres. D26M to D15F
CAB-D26D9	SMD4 Encoder Cable, Absolute, 3 metres. D26M to D9F

Related Products	
SMD4	Stepper motor drive
MLF18F	Feedthrough, 18-way, GMS, NW35CF
VF9D-40CF	D-sub 9-way Electrical Feedthrough (DN40CF Flange)
VF15D-63CF	D-sub 15-way Electrical Feedthrough (DN63CF Flange)



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