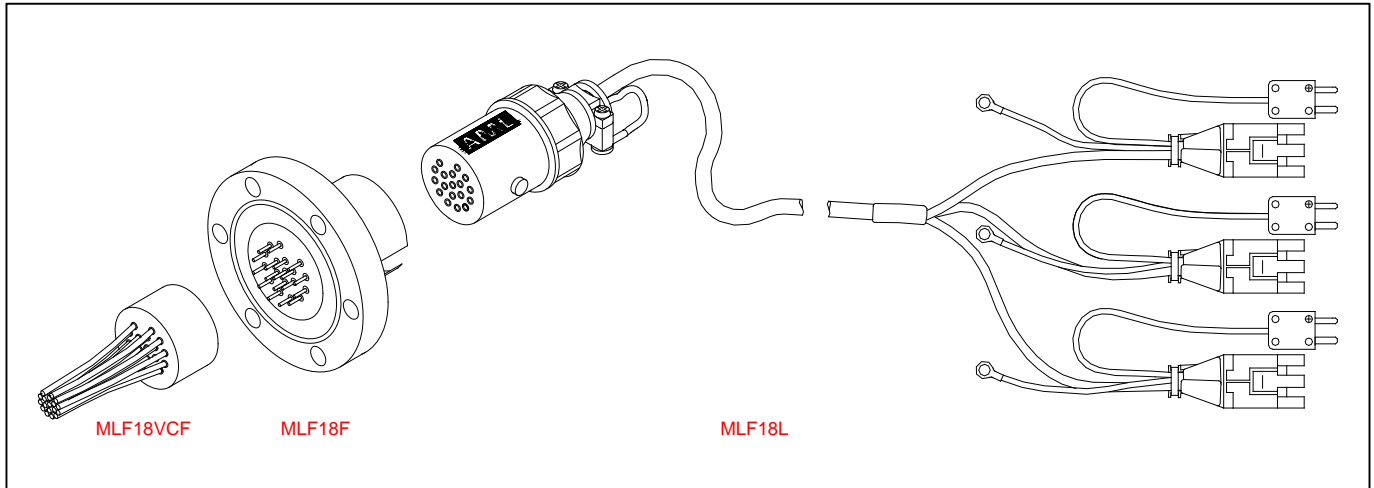


CONNECTORS, LEADS, FEEDTHROUGHS AND WIRING ACCESSORIES FOR UHV STEPPER MOTORS AND OTHER ELECTRICAL VACUUM DEVICES

AML produce a range of wiring accessories to complement their UHV compatible Stepper motors. These components make installation of motors and other electrical items in vacuum much easier.

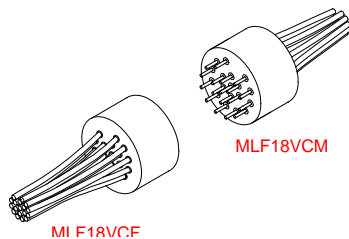


MLF18VCF is a 18-way electrical female connector for use in UHV and is bakeable to 250°C. It mates with the MLF18F feedthrough and the MLF18VCM male connector. The insulated body is PEEK, which has exceptional outgassing performance. All internal spaces are well-ventilated. The gold-plated, barbed crimp-contacts are attached to wires **before** insertion into the body and removed with a standard pin extraction tool, if required. Individual contacts can be inserted or removed without disturbing others. All AML motors are supplied with this type of crimp-contacts.

MLF18F 18-way feedthrough on a NW35CF (70mm OD) flange which mates with the MLF18VCF UHV connector, MLF18L lead or MLF18AC air-side connector. It has individual glass compression seals which are much more robust than ceramic seals and is bakeable to 250°C. The 1.5mm diameter pins are gold-plated. For non-motor applications observe the maximum ratings of 200V, 5A maximum per pin and 15A maximum per feedthrough.

MLF18NBL is a 3 metre non-bakeable lead for use with AML stepper motor drives and up to 3 motors installed in one vacuum chamber. It mates with the MLF18F feedthrough.

MLF18AC is the bakeable air side connector which mates with the MLF18F feedthrough. Use this for non-motor applications or for connecting to other manufacturer's drives.



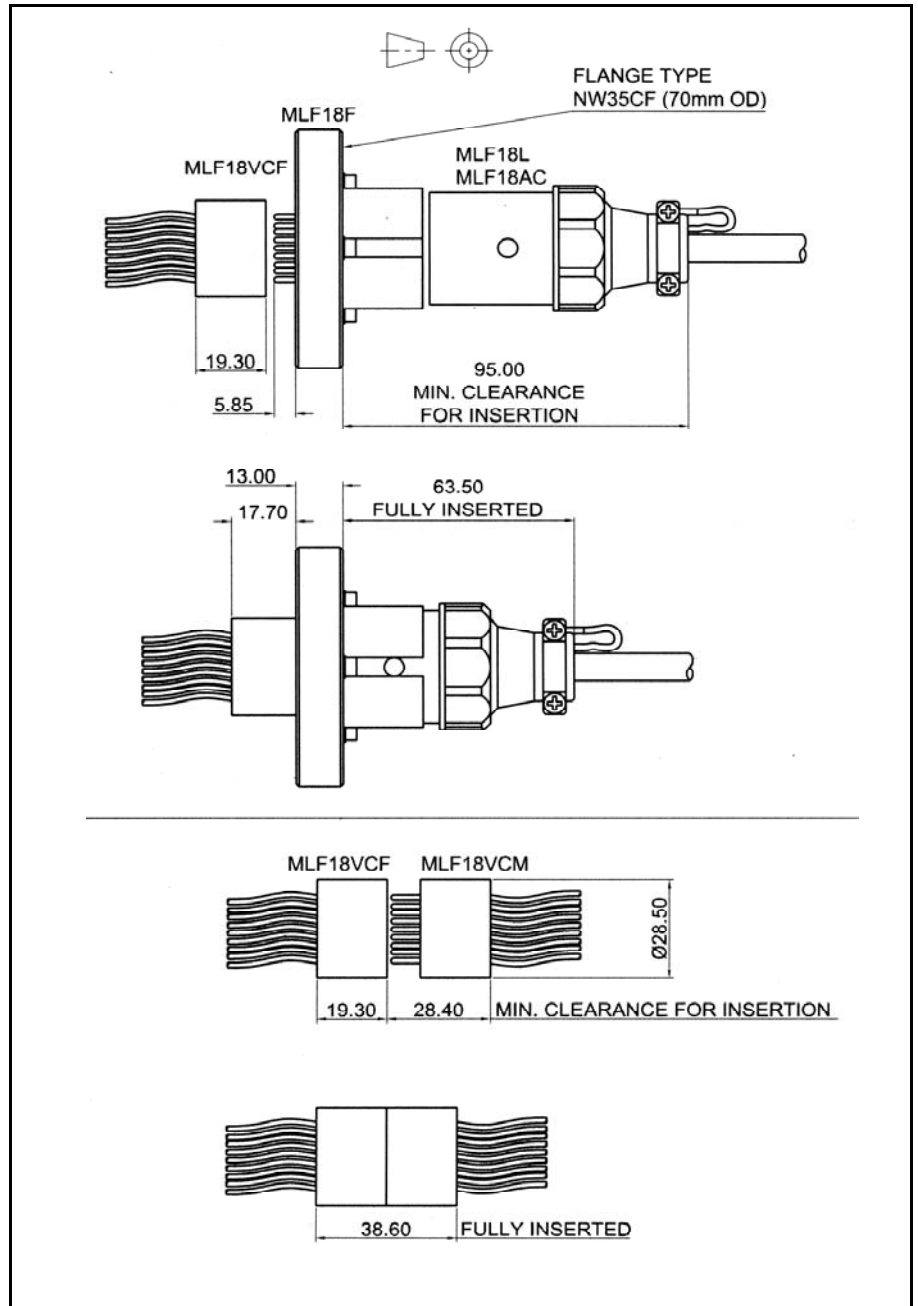
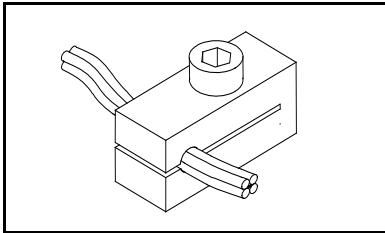
MLF18VCM is the male counterpart of MLF18VCF. It is useful for extension cables or on de-mountable sub assemblies. This item may be ordered pre-wired to one, two or three vacuum stepper motors.

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AML

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PWB is a set of 4 PEEK wiring bushes and M3 x 10mm vented screws. The four phase wires and thermocouple from a single motor are a light fit in the hole in the bush. Use one in situations where a 'P' clip would be used in air. The wiring hole may be reamed out for other wiring applications. Bakeable to 250° C.



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