

Application Tools for Multi-mode Termini

For Use in Multi-Channel Circular Connectors

How to Order

The following data includes information pertaining to the application tools which have been established for polishing, inserting and removing multi-mode fiber optic termini within multi-channel connectors. Insertion and removal tools are common to MIL-DTL-38999 size 16 and size 20 tools. Installation instructions L-1262 for multi-mode size 16 and L-2103 for multi-mode size 20 provide proper installation and polishing procedures for these termini. These are available on-line at www.amphenol-aerospace.com, under service instructions. Termination kits, as shown at right, are available for each Amphenol connector family. The kit includes the carrying case, heat gun, crimping and stripping tools and microscope with adapters.



Termination Kit



Plastic Insertion/
Removal Tool
for Size 16
Multi-mode Termini

38999

- III
- HD
- Dualok
- II
- I
- SJT
- Accessories
- Aquacon
- Herm/Seal
- PCB

HIGH
SPEED

Fiber
Optics

Contacts
Connectors
Cables

EMI Filter
Transient

26482
Matrix 2

83723 III
Matrix | Pyle

26500
Pyle

5015
Crmp Rear
Release
Matrix

22992
Class 1

Back-
Shells

Options
Others

ORDERING INFORMATION

Application Tools for Multi-Channel, Multi-mode Fiber Optic Termini

Contact Size/ Type	Termini Part Number	Hand Polishing Tools*	Machine Polishing Tools		Termination Kit (Includes necessary field termination equipment)
			Amphenol/Buehler Fibmet*** Polishing Tool Part Number	Amphenol/Buehler Fibrscope*** Adaptor Body Part Number	
16 Multi-mode	Socket CF-198035-()*** Pin CF-190036-()***	11-12123 or 11-12195 (grooved for wet polishing)	11-12103	11-12104	CF-8500-1†
20 Multi-mode	Socket CF-198080-()** Pin CF-198081-()**	11-12153	N/A	N/A	CF-8500-3††

Insertion Tools

Contact Size/ Type	Plastic Tools (Double ended insertion/removal tool)		Metal Tools			
	MS Part Number	Color	Angle Type		Straight Type Commercial Part Number	Color
			MS Part Number	Commercial Part Number		
16 Multi-mode	M81969/14-03	Blue/White	M81969/8-07	11-8674-16 11-012197-16†††	11-8794-16 11-012198-16†††	Blue
20 Multi-mode	M81969/14-10	Red/Orange	M81969/8-05	11-8674-20	11-8794-16	Red

Removal Tools

Contact Size/ Type	Plastic Tools (Double ended insertion/ removal tool)		Metal Tools				
	MS Part Number	Color	For Unwired Contacts Commercial Part Number	Angle Type		Straight Type Commercial Part Number	Color
				MS Part Number	Commercial Part Number		
16 Multi-mode	M81969/14-03	Blue/White	11-10050-10	M81969/8-08	11-8675-16	11-8795-16	White
20 Multi-mode	M81969/14-10	Red/Orange	11-10050-9	M81969/8-06	11-8675-20	11-8795-20	White

FOR APPLICATION TOOLS FOR SINGLE MODE TERMINI, CONSULT AMPHENOL AEROSPACE.

The M81969/8, 11-8675 and 11-8794 metal contact insertion and removal tools will accommodate wires having the maximum outside diameter of .105 for size 16 and .084 for size 20. When wire diameters exceed this, the plastic tools must be used.

* Single Termini Capability

** To complete order number add fiber size; see ordering information on page 188 for size 16 multi-mode, and page 191 for size 20 multi-mode.

*** Fibmet and Fibrscope are registered trademarks of Buehler Ltd.

† This includes hand polishing tool 11-12123.

†† This includes hand polishing tool 11-12153.

††† Recommended tool for socket termination insertion.