

# Amphenol

## HDM Series

Hermaphroditic Duplex  
Miniature



The Hermaphroditic Series includes the Hermaphroditic Duplex Miniature (HDM). This product has been specially designed to facilitate the interconnection of Fibre Optic Cable assemblies, thus eliminating the need for polarising the assemblies and the use of in-line adapters.

- Lightweight, small design, Arctic style grip
- Low loss ceramic  $\varnothing 2.5\text{mm}$  PC technology in multimode and singlemode
- Connector and monobloc environmentally sealed
- Fully hermaphroditic wipe clean bayonet mating mechanism
- Fully removable front receptacle shell, for cleaning whilst insitu
- Plug backshell allows for the removal of the ferrule monobloc for ease of cleaning
- Choice of materials and plating
- High tension cable load capability

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[www.amphenol.co.uk](http://www.amphenol.co.uk)

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## Performance

Optical	
Insertion Loss	Typically 0.3dB using 62.5/125
Repeatability	<0.15dB
Fibre Types	50/125 62.5/125 9/125
Termination Method	Epoxy / Polish

Environmental	
Temperature Range	-55°C / +85°C cable dependant

Mechanical	
Durability	>500 matings
Materials	Shell : Aluminium
	Ferrule : Zirconia
	Alignment Sleeve : Ceramic
	Seals : Fluorosilicone

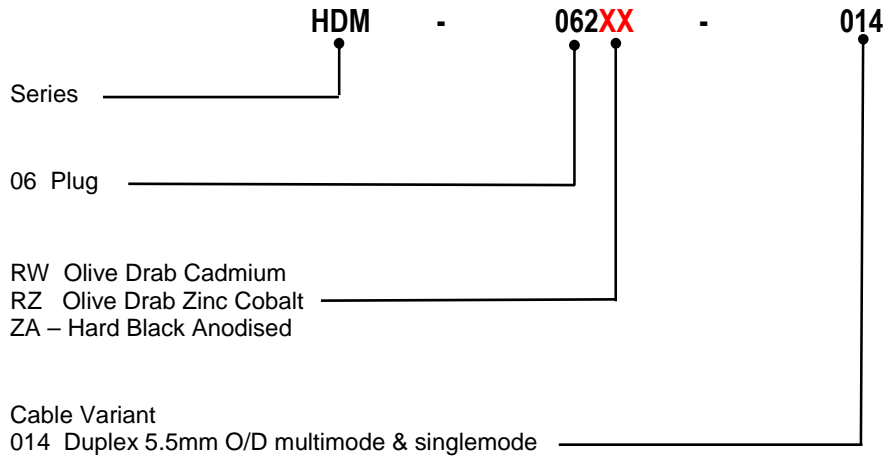
Termination Tooling	
Basic Kit	927 – 100 – 3000
HDM Add On	927 – 100 – 4200
Consumable Pack	927 – 100 – 6000 Approx 50 terminations



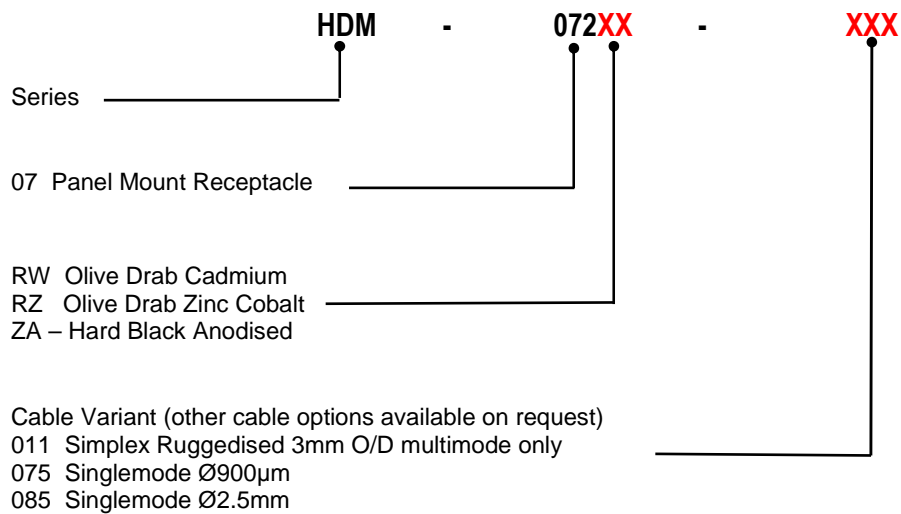
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## Part Number Information – HDM Plug



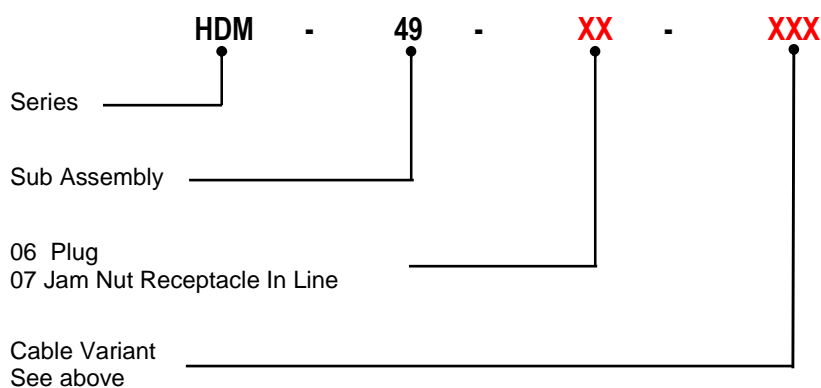
## Part Number Information – HDM Jam Nut Receptacle



Multimode = 50/125 & 62.5/125

Singlemode = 9/125

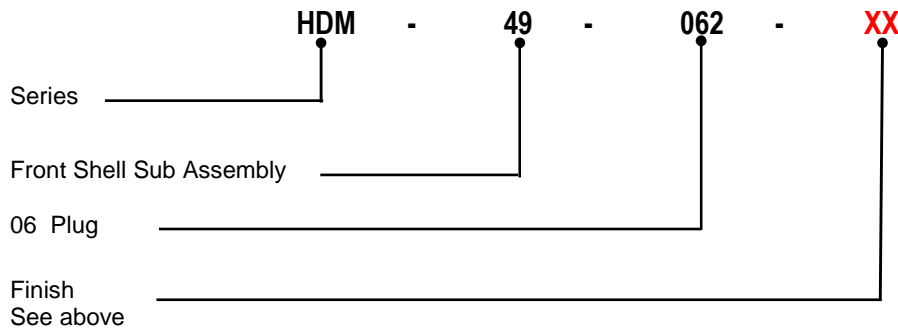
## Part Number Information - Sub Assembly



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## Part Number Information - Front Shell Sub Assembly



## Part Number Information - Dust Cap

960-990 - Includes Terelene Cord and Crimp ferrule

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