

Amphenol®

907 Series Multimode SMA Cable Assemblies



Applications

- ◆ Datacom
- ◆ Sensors
- ◆ Process Control
- ◆ Military
- ◆ Avionics
- ◆ Medical

Products

Patchcord: (Jumper) Amphenol SMA connector terminated on each end of a multimode simplex or duplex fiber cable.

Pigtail: Amphenol SMA connector terminated on one end of a multimode simplex or duplex fiber cable.

Features

- High accuracy polishing techniques applied to quality Amphenol connectors meet or exceed industry standards for optical performance and repeatability.
- Each assembly is optically tested for connection loss. The Amphenol interface is well suited for multimode optical transmission applications.

Intermateability

The Amphenol SMA cable assemblies are mechanically and optically intermateable with other SMA type products. Amphenol multimode SMA pigtails and patchcords offer the convenience of pre-terminated multimode cable with several types of low-loss Amphenol SMA 905 or 906 connectors. Amphenol 907 Series assemblies feature reliable, factory terminations which are optically tested and available in several standard lengths and fiber types. Amphenol SMA adapters are available for connector-to-connector mating.

Connector Specifications (durability is < 0.2 dB change after 1000 matings)

Termination Type	Ferrule Diameter	Connector Loss (dB)*		Operating Temperature
		Typical	Maximum	
905 SMArt Ceramic	3.175 mm (.125")	0.6	< 1.0	-40° C to +85° C
906 SMArt Ceramic	3.175 mm (.125" base) 2.16 mm (.085" step)	0.5	< 1.0	-40° C to +85° C
905 SMA Stainless Steel	3.175 mm (.125")	•	•	-40° C to +85° C
906 SMA Stainless Steel	3.175 mm (.125" base) 2.16 mm (.085" step)	0.8	< 1.5	-40° C to +85° C

* Per mated pair tested at 850 μm

• Fiber dependent

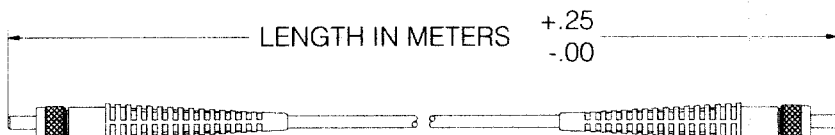
Order Information

Pigtail Part # Sequence	Simplex Patchcord Part # Sequence	Duplex Part # Sequence	Connector Type	Fiber Size (core/clad)
907-10013-100XX	907-11013-100XX	907-21019-100XX	905 SMARt Ceramic	50/125
907-10016-100XX	907-11025-100XX	907-21018-100XX	905 SMARt Ceramic	62.5/125
907-10017-100XX	907-11012-100XX	907-21027-100XX	905 SMARt Ceramic	100/140
907-10005-100XX	907-11015-100XX	907-21020-100XX	906 SMARt Ceramic	50/125
907-10008-100XX	907-11029-100XX	907-21012-100XX	906 SMARt Ceramic	62.5/125
907-10014-100XX	907-11014-100XX	907-21028-100XX	906 SMARt Ceramic	100/140
907-10026-100XX	907-11071-100XX	907-21029-100XX	905 SMA Stainless Steel	50/125
907-10027-100XX	907-11072-100XX	907-21030-100XX	905 SMA Stainless Steel	62.5/125
907-10028-100XX	907-11073-100XX	907-21031-100XX	905 SMA Stainless Steel	100/140
907-10002-100XX	907-11006-100XX	907-21032-100XX	906 SMA Stainless Steel	50/125
907-10015-100XX	907-11010-100XX	907-21033-100XX	906 SMA Stainless Steel	62.5/125
907-10001-100XX	907-11007-100XX	907-21034-100XX	906 SMA Stainless Steel	100/140

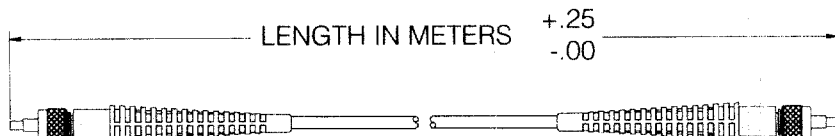
Standard Cable Lengths*

"XX"	Lengths in meters
01	1 Meter
03	3 Meters
05	5 Meters
10	10 Meters
20	20 Meters
30	30 Meters

905 SMA



906 SMA



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