

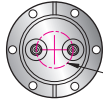
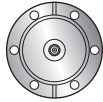


**Ultrahigh Vacuum
CF Flange Feedthrough**

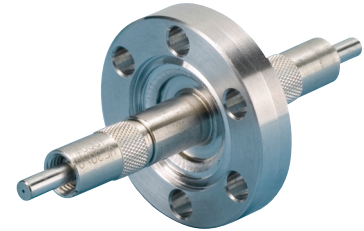
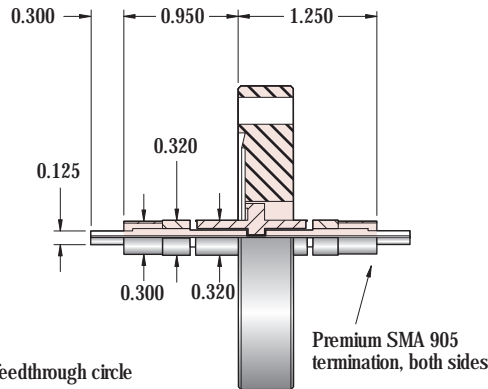
133 CF



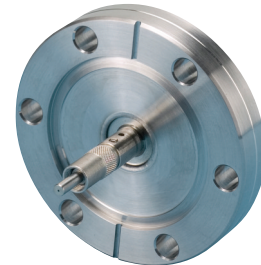
275 CF



0.85 feedthrough circle



105000, UHV CF Flange
(Vacuum Side)

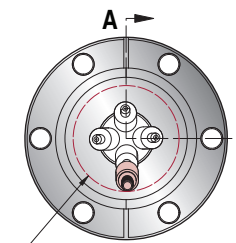


105001, UHV CF Flange
(Vacuum Side)

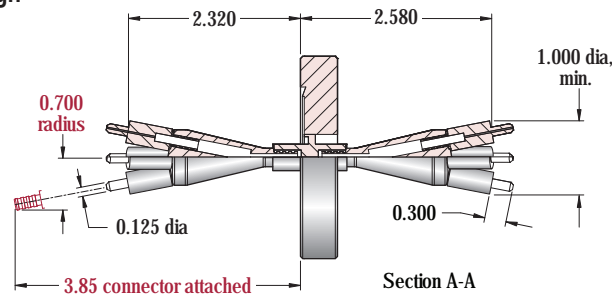
112301, UHV CF Flange
(Vacuum Side)

Number F'thrus	Fiber UV / VIS	Connector Type	CF Flange		Model Number	Part Number	Unit Price \$
			Model	OD			
1	100µm UV	SMA	133 CF	1.33	FO1UV-133	112424	635
1	100µm UV	SMA	275 CF	2.73	FO1UV-275	112425	650
2	100µm UV	SMA	275 CF	2.73	FO1UV-2-275	112426	1150
1	200µm UV	SMA	133 CF	1.33	FO2UV-133	105000	435
1	200µm UV	SMA	275 CF	2.73	FO2UV-275	105001	450
2	200µm UV	SMA	275 CF	2.73	FO2UV-2-275	112300	790
1	400µm UV	SMA	133 CF	1.33	FO4UV-133	105100	440
1	400µm UV	SMA	275 CF	2.73	FO4UV-275	105101	455
2	400µm UV	SMA	275 CF	2.73	FO4UV-2-275	112301	795
1	600µm UV	SMA	133 CF	1.33	FO6UV-133	105200	450
1	600µm UV	SMA	275 CF	2.73	FO6UV-275	105201	465
2	600µm UV	SMA	275 CF	2.73	FO6UV-2-275	112302	805
1	1000µm UV	SMA	133 CF	1.33	FO10UV-133	105300	485
1	1000µm UV	SMA	275 CF	2.73	FO10UV-275	105301	499
2	1000µm UV	SMA	275 CF	2.73	FO10UV-2-275	112303	875

**Ultrahigh Vacuum
4 x 1 CF Flange Feedthrough**

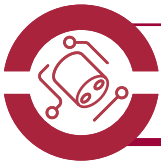


connector attached

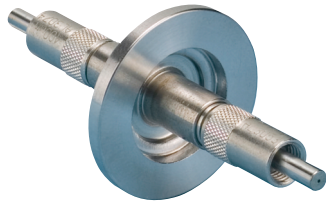


112598, UHV CF Flange
4 x 1 Feedthrough

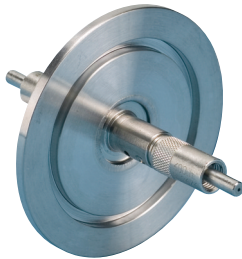
Number F'thrus	Fiber UV / VIS	Connector Type	CF Flange		Model Number	Part Number	Unit Price \$
			Model	OD			
4 x 1	100µm UV	SMA	275 CF	2.73	FO1UV-4-275	112598	2200
4 x 1	200µm UV	SMA	275 CF	2.73	FO2UV-4-275	112599	1950
4 x 1	400µm UV	SMA	275 CF	2.73	FO4UV-4-275	112600	1850
4 x 1	600µm UV	SMA	275 CF	2.73	FO6UV-4-275	112601	1750



High Vacuum ISO Flange Feedthrough



105210, HV ISO KF Flange
(Vacuum Side)



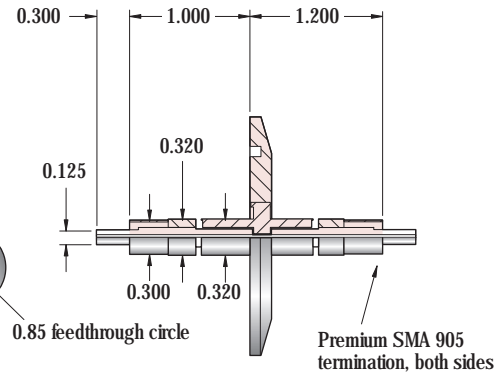
105211, HV ISO KF Flange
(Vacuum Side)

112304, HV ISO KF Flange
(Vacuum Side)

NW16 KF



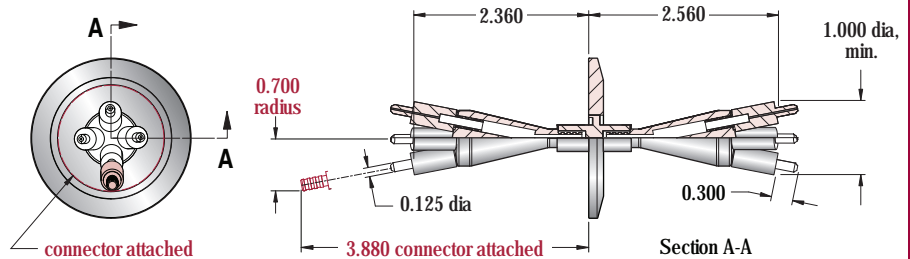
NW40 KF



Number F'thrus	Fiber UV / VIS	Connector Type	ISO Flange		Model Number	Part Number	Unit Price \$
			Model	OD			
1	100µm UV	SMA	NW16 KF	1.18	FO1UV-K16	112427	630
1	100µm UV	SMA	NW40 KF	2.16	FO1UV-K40	112428	645
2	100µm UV	SMA	NW40 KF	2.16	FO1UV-2-K40	112429	1140
1	200µm UV	SMA	NW16 KF	1.18	FO2UV-K16	105010	430
1	200µm UV	SMA	NW40 KF	2.16	FO2UV-K40	105011	445
2	200µm UV	SMA	NW40 KF	2.16	FO2UV-2-K40	112304	785
1	400µm UV	SMA	NW16 KF	1.18	FO4UV-K16	105110	435
1	400µm UV	SMA	NW40 KF	2.16	FO4UV-K40	105111	450
2	400µm UV	SMA	NW40 KF	2.16	FO4UV-2-K40	112305	790
1	600µm UV	SMA	NW16 KF	1.18	FO6UV-K16	105210	445
1	600µm UV	SMA	NW40 KF	2.16	FO6UV-K40	105211	460
2	600µm UV	SMA	NW40 KF	2.16	FO6UV-2-K40	112306	800
1	1000µm UV	SMA	NW16 KF	1.18	FO10UV-K16	105310	480
1	1000µm UV	SMA	NW40 KF	2.16	FO10UV-K40	105311	495
2	1000µm UV	SMA	NW40 KF	2.16	FO10UV-2-K40	112307	870

High Vacuum 4 x 1 ISO Flange Feedthrough

112602, HV ISO KF Flange
4 x 1 Feedthrough



Number F'thrus	Fiber UV / VIS	Connector Type	ISO Flange		Model Number	Part Number	Unit Price \$
			Model	OD			
4 x 1	100µm UV	SMA	NW40 KF	2.16	FO1UV-4-K40	112602	2200
4 x 1	200µm UV	SMA	NW40 KF	2.16	FO2UV-4-K40	112603	1950
4 x 1	400µm UV	SMA	NW40 KF	2.16	FO4UV-4-K40	112604	1850
4 x 1	600µm UV	SMA	NW40 KF	2.16	FO6UV-4-K40	112605	1750



UV / VIS Multimode Fiber Optic Cable Assemblies

Connector to Connector UHV fiber optic cable assemblies are fitted with premium SMA 905 connectors on both ends of a non-jacketed fiber optic fiber. NA = 0.22, Step-Index.

Connector to Cable UHV fiber optic cable assemblies are fitted with a premium SMA 905 connector on one end and a bare polished fiber on the other. NA = 0.22, Step-Index.

Note: In-Vacuum cables require a coupler to mate with corresponding feedthroughs.

105261, 600µm UV
In-Vacuum Cable

111866, 1000µm UV
In-Vacuum Cable



105450, In-Vacuum Coupler
with vent hole

105261.60, 600µm UV
with PEEK Braid Jacketing

105261.61, 600µm UV
with Stainless Steel Braid Jacketing

Operating: -65°C to 200°C, Intermittent 300°C

Service: UHV

1 x 10⁻¹⁰ Torr

Core & Type	Length (inches)	Operating Wavelength Range	Buffer	Type	Model Number	Part Number	Unit Price \$
Connector to Connector							
100µm UV	19	200–800 nm	Polyimide	Step-Index	UVV1-19SMA2	112548	145
100µm UV	39	200–800 nm	Polyimide	Step-Index	UVV1-39SMA2	112549	153
200µm UV	19	200–800 nm	Polyimide	Step-Index	UVV2-19SMA2	105060	151
200µm UV	39	200–800 nm	Polyimide	Step-Index	UVV2-39SMA2	105061	155
400µm UV	19	200–800 nm	Polyimide	Step-Index	UVV4-19SMA2	105160	156
400µm UV	39	200–800 nm	Polyimide	Step-Index	UVV4-39SMA2	105161	167
600µm UV	19	200–800 nm	Polyimide	Step-Index	UVV6-19SMA2	105260	172
600µm UV	39	200–800 nm	Polyimide	Step-Index	UVV6-39SMA2	105261	197
1000µm UV	19	200–800 nm	Aluminum	Step-Index	UVV10-19SMA2	105360	291
1000µm UV	39	200–800 nm	Aluminum	Step-Index	UVV10-39SMA2	105361	390

Connector to Cable

100µm UV	19	200–800 nm	Polyimide	Step-Index	UVV1-19SMA	112550	105
100µm UV	39	200–800 nm	Polyimide	Step-Index	UVV1-39SMA	112551	108
200µm UV	19	200–800 nm	Polyimide	Step-Index	UVV2-19SMA	111860	106
200µm UV	39	200–800 nm	Polyimide	Step-Index	UVV2-39SMA	111861	110
400µm UV	19	200–800 nm	Polyimide	Step-Index	UVV4-19SMA	111862	111
400µm UV	39	200–800 nm	Polyimide	Step-Index	UVV4-39SMA	111863	122
600µm UV	19	200–800 nm	Polyimide	Step-Index	UVV6-19SMA	111864	127
600µm UV	39	200–800 nm	Polyimide	Step-Index	UVV6-39SMA	111865	152
1000µm UV	19	200–800 nm	Aluminum	Step-Index	UVV10-19SMA	111866	246
1000µm UV	39	200–800 nm	Aluminum	Step-Index	UVV10-39SMA	111867	345

In-Vacuum coupler with vent hole

FOVENT-C

105450

28

Cable Assembly Jacketing Options

Jacketing

		19" price	39" price
PEEK braid jacketing	append to Part Number	.60	28
Stainless steel braid jacketing	append to Part Number	.61	28
Silver plated copper braid jacketing	append to Part Number	.62	28

These are sold as additions to the above cable assemblies and are added at the factory only. Price is added to Unit Price. For example, Part Number 105060.60 would have a price of \$179. Part Number 105061.60 would have a price of \$201.



Air-service Multimode Fiber Optic Cable Assemblies

Air-service Cable assemblies are fitted with premium SMA connectors on both ends of a blue PVC jacketed fiber optic fiber. NA = 0.22, Step-Index.

Note: Air-service cables require a coupler to mate with corresponding feedthroughs.

Operating: 80°C

Service: Air

Atmos.

Core & Type	Length (inches)	Operating Wavelength Range	Jacketing	Type	Model Number	Part Number	Unit Price \$
Air-service Cable							
100µm UV	79	200–800 nm	PVC	Step-Index	UVA1-79SMA2	112552	105
200µm UV	79	200–800 nm	PVC	Step-Index	UVA2-79SMA2	105040	125
400µm UV	79	200–800 nm	PVC	Step-Index	UVA4-79SMA2	105140	135
600µm UV	79	200–800 nm	PVC	Step-Index	UVA6-79SMA2	105240	175
1000µm UV	79	200–800 nm	PVC	Step-Index	UVA10-79SMA2	105340	315
Air side coupler without vent hole					FO-C	105451	24

105240, 600µm UV Air-service Cable



105451, Air side Coupler without vent hole

Cable Rack

Electronic and fiber optic cable rack is great for hanging wires and cables. This keeps cables organized and off of already crowded workstations.

Cable Rack

Narrow Slot Cable Rack	CR-NS	111748	30
Wide Slot Cable Rack	CR-WS	111890	30

111748, Cable Rack