

miniature-D connector. The female cable is shown on page 19 with Kapton® insulated conductors woven with a PEEK

Special note: The 50-pin connector can be threaded through

1 x 10⁻¹⁰ Torr

Part Number	Unit Price \$
100320	188
100321	235
100330	188
100331	235
100340	227
100341	287
100350	227
100351	287
100360	276
100361	356
100370	276
100371	356
100380	477
100381	637
100390	477
100391	637

100240	63
100241	110

Subminiature-D, UHV Cable Assemblies

Instrumentation



Ultrahigh Vacuum Ribbon Extension Cable Assemblies

Connector to Connector Extension Cables are fitted with PEEK Subminiature-D connectors on both ends of a 19- or 39-inch UHV Kapton® insulated ribbon cable. The female cable connectors mate directly onto the vacuum-side of Subminiature-D feedthroughs shown on page 19 or with the male in-vacuum cable connectors. The ribbon cable is made with Kapton® insulated 28AWG silver plated copper conductors, stranded 7 x 0.005. The cables are woven with a PEEK monofilament with a nominal diameter of 0.008 inches.

Operating: 250°C

Service: UHV

1 x 10⁻¹⁰ Torr

No. Contacts	Cable		Connectors		Model Number	Part Number	Unit Price \$
	Length	Dimen.	Types	W x H x D			
Connector to Connector Extension Cable							
9	19	0.04 x 0.40	Female/Female	1.30 x 0.50 x 0.75	KAP-R9-192SC	100880	331
9	39	0.04 x 0.40	Female/Female	1.30 x 0.50 x 0.75	KAP-R9-392SC	100881	378
9	19	0.04 x 0.40	Female/Male	1.30 x 0.50 x 0.75	KAP-R9-19SCPC	112494	331
9	39	0.04 x 0.40	Female/Male	1.30 x 0.50 x 0.75	KAP-R9-39SCPC	112495	378
15	19	0.04 x 0.74	Female/Female	1.70 x 0.50 x 0.75	KAP-R15-192SC	100890	397
15	39	0.04 x 0.74	Female/Female	1.70 x 0.50 x 0.75	KAP-R15-392SC	100891	457
15	19	0.04 x 0.74	Female/Male	1.70 x 0.50 x 0.75	KAP-R15-19SCPC	112496	397
15	39	0.04 x 0.74	Female/Male	1.70 x 0.50 x 0.75	KAP-R15-39SCPC	112497	457
25	19	0.04 x 1.20	Female/Female	2.20 x 0.50 x 0.75	KAP-R25-192SC	100900	476
25	39	0.04 x 1.20	Female/Female	2.20 x 0.50 x 0.75	KAP-R25-392SC	100901	556
25	19	0.04 x 1.20	Female/Male	2.20 x 0.50 x 0.75	KAP-R25-19SCPC	112498	476
25	39	0.04 x 1.20	Female/Male	2.20 x 0.50 x 0.75	KAP-R25-39SCPC	112499	556
50*	19	0.08 x 1.20	Female/Female	2.70 x 0.50 x 0.75	KAP-R50-192SC	100480	802
50*	39	0.08 x 1.20	Female/Female	2.70 x 0.50 x 0.75	KAP-R50-392SC	100481	962
50*	19	0.08 x 1.20	Female/Male	2.70 x 0.50 x 0.75	KAP-R50-19SCPC	100482	802
50*	39	0.08 x 1.20	Female/Male	2.70 x 0.50 x 0.75	KAP-R50-39SCPC	112500	962

* Uses two lengths of 25-way ribbon cable.



100880, Female to Female UHV Connector to Connector Extension Cable



112496, Female to Male UHV Connector to Connector Extension Cable