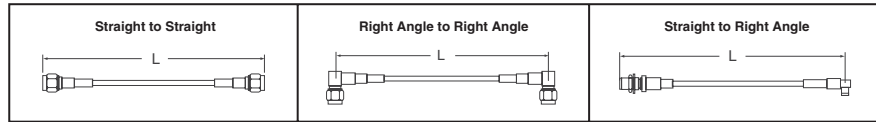


## Fixed Length Cables and Adapters

**A**

**Features:** • Tested to customer specifications • Flexible cable • 0GHz - 26GHz  
• 50Ω and 75Ω • Controlled impedance **Applications:** • Voltage/Continuity Test Fixture • Interface location gauging • VSWR Quality Assurance Scalar Analyzer • VSWR/TDR Design Engineering Vector Analyzer • CNC Hardline Bender (Semi-rigid cables)



### Straight to Straight Cables

Cable Type	Dimension L (Inch)	Digi-Key Part No.	Price Each	Johnson Part No.			
			1	10	25		
<b>SMB Plug to SMB Plug</b>							
RG-316	6	J1206-ND	18.52	13.89	11.73	415-0003-006	
	12	J1212-ND	19.03	14.28	12.06	415-0003-012	
	24	J1224-ND	20.57	15.43	13.03	415-0003-024	
	36	J1236-ND	21.60	16.20	13.68	415-0003-036	
<b>SMB 75Ω Plug to SMB 75Ω Plug</b>							
RG-179	6	J1606-ND	19.03	14.28	12.06	415-0008-006	
	12	J1612-ND	20.06	15.05	12.71	415-0008-012	
	24	J1624-ND	21.60	16.20	13.68	415-0008-024	
	36	J1636-ND	23.66	17.75	14.99	415-0008-036	
RG-179DS	6	J1806-ND	19.55	14.66	12.38	415-0010-006	
	12	J1812-ND	21.09	15.82	13.36	415-0010-012	
<b>MCX Plug to MCX Plug</b>							
RG-178	6	J2206-ND	17.49	13.12	11.08	415-0014-006	
	12	J2212-ND	18.52	13.89	11.73	415-0014-012	
	24	J2224-ND	20.57	15.43	13.03	415-0014-024	
	36	J2236-ND	22.63	16.98	14.34	415-0014-036	
<b>MCX Plug to MCX Bulkhead Jack</b>							
RG-316	6	J2406-ND	21.09	15.82	13.36	415-0016-006	
	12	J2412-ND	21.60	16.20	13.68	415-0016-012	
	24	J2424-ND	22.63	16.98	14.34	415-0016-024	
	36	J2436-ND	24.17	18.14	15.32	415-0016-036	
<b>MCX 75Ω Plug to MCX 75Ω Plug</b>							
RG-179	6	J3006-ND	24.17	18.14	15.32	415-0022-006	
	12	J3012-ND	25.20	18.90	15.96	415-0022-012	
	24	J3024-ND	26.75	20.06	16.94	415-0022-024	
	36	J3036-ND	28.80	21.60	18.24	415-0022-036	
<b>MMCX Plug to MMCX Plug</b>							
RG-178	6	J728-ND	26.57	19.93	16.83	415-0066-006	
	12	J729-ND	27.99	20.99	17.73	415-0066-012	
	18	J730-ND	27.10	20.33	17.17	415-0066-018	
	24	J731-ND	30.59	22.95	19.38	415-0066-024	
RG-316	6	J732-ND	31.07	23.31	19.69	415-0067-006	
	12	J733-ND	32.06	24.05	20.31	415-0067-012	
	18	J734-ND	32.70	24.53	20.72	415-0067-018	
	24	J735-ND	33.89	25.42	21.47	415-0067-024	
<b>MMCX Plug to SMA Bulkhead Jack</b>							
RG-178	6	J744-ND	28.99	21.75	18.36	415-0070-006	
	12	J745-ND	30.30	22.73	19.19	415-0070-012	
	18	J746-ND	31.79	23.85	20.14	415-0070-018	
	24	J747-ND	33.10	24.83	20.97	415-0070-024	
RG-316	6	J748-ND	36.47	27.36	23.10	415-0070-036	
	12	J749-ND	29.88	22.42	18.93	415-0071-006	
	18	J750-ND	30.79	23.10	19.51	415-0071-012	
	24	J751-ND	31.65	23.74	20.05	415-0071-018	
RG-316	6	J752-ND	32.79	24.60	20.77	415-0071-024	
	12	J753-ND	35.27	26.46	22.34	415-0071-036	
	<b>SMA Plug to SMA Plug</b>						
	RG-178	6	J3306-ND	19.24	14.43	12.19	415-0025-006
12		J3312-ND	20.37	15.28	12.90	415-0025-012	
24		J3324-ND	22.63	16.98	14.34	415-0025-024	
36		J3336-ND	26.59	19.95	16.84	415-0025-036	
RG-316	6	J3706-ND	16.18	12.14	10.25	415-0029-006	
	12	J3712-ND	17.26	12.95	10.93	415-0029-012	
	24	J3724-ND	16.98	12.74	10.76	415-0029-024	
	36	J3736-ND	19.86	14.90	12.58	415-0029-036	
RG-316DS	6	J3848-ND	21.36	16.02	13.53	415-0030-048	
	12	J4106-ND	16.18	12.14	10.25	415-0033-006	
	12	J4112-ND	16.70	12.53	10.58	415-0033-012	
	24	J4124-ND	18.79	14.09	11.90	415-0033-024	
RG-58	6	J4136-ND	20.84	15.63	13.20	415-0033-036	
	12	J4148-ND	21.27	15.96	13.48	415-0033-048	
	12	J4612-ND	18.52	13.89	11.73	415-0038-012	
	24	J4624-ND	19.55	14.66	12.38	415-0038-024	
RG-142	6	J4636-ND	20.57	15.43	13.03	415-0038-036	
	12	J5112-ND	23.15	17.36	14.66	415-0043-012	
	24	J5124-ND	29.83	22.38	18.90	415-0043-024	
	36	J5136-ND	36.52	27.39	23.13	415-0043-036	
Hand Formable .086	3	J822-ND	19.35	14.52	12.26	415-0081-003	
	4	J823-ND	19.88	14.91	12.59	415-0081-004	
	5	J824-ND	20.40	15.30	12.92	415-0081-005	
	6	J825-ND	21.00	15.75	13.30	415-0081-006	
	7	J826-ND	21.53	16.15	13.64	415-0081-007	
	8	J827-ND	22.13	16.50	14.02	415-0081-008	
	12	J828-ND	24.38	18.29	15.44	415-0081-012	
	24	J829-ND	27.71	20.79	17.56	415-0081-018	
Hand Formable .141	3	J830-ND	31.05	23.29	19.67	415-0081-024	
	4	J831-ND	22.20	16.65	14.06	415-0082-003	
	5	J832-ND	22.88	17.16	14.49	415-0082-004	
	6	J833-ND	23.78	17.84	15.06	415-0082-005	
	7	J834-ND	24.49	18.37	15.51	415-0082-006	
6	J835-ND	29.32	21.99	18.57	415-0082-007		

Cable Type	Dimension L (Inch)	Digi-Key Part No.	Price Each	Johnson Part No.		
			1	10	25	
Hand Formable .141	8	J836-ND	26.06	19.55	16.51	415-0082-008
	12	J837-ND	28.80	21.60	18.24	415-0082-012
	18	J838-ND	32.55	24.42	20.62	415-0082-018
	24	J839-ND	36.30	27.23	22.99	415-0082-024
<b>SMA Plug to SMA Bulkhead Jack</b>						
RG-316	6	J3906-ND	18.00	13.50	11.40	415-0031-006
	12	J3912-ND	19.05	14.29	12.07	415-0031-012
	24	J3924-ND	20.11	15.09	12.74	415-0031-024
	36	J3936-ND	21.47	16.11	13.60	415-0031-036
RG-316DS	6	J4306-ND	17.49	13.12	11.08	415-0035-006
	12	J4312-ND	18.52	13.89	11.73	415-0035-012
	24	J4324-ND	20.57	15.43	13.03	415-0035-024
	36	J4336-ND	22.12	16.59	14.01	415-0035-036
RG-58	12	J4812-ND	23.66	17.75	14.99	415-0040-012
	24	J4824-ND	24.69	18.52	15.64	415-0040-024
	36	J4836-ND	25.72	19.29	16.29	415-0040-036
<b>BNC Plug to BNC Plug</b>						
RG-58	12	J6212-ND	11.83	8.88	7.50	415-0054-012
	24	J6224-ND	12.86	9.65	8.15	415-0054-024
	36	J6236-ND	14.40	10.80	9.12	415-0054-036
Belden 8218	12	J6412-ND	11.83	8.88	7.50	415-0056-012
	24	J6424-ND	13.37	10.03	8.47	415-0056-024
	36	J6436-ND	14.40	10.80	9.12	415-0056-036
RG-59	12	J6512-ND	11.83	8.88	7.50	415-0057-012
	24	J6524-ND	13.37	10.03	8.47	415-0057-024
	36	J6536-ND	14.40	10.80	9.12	415-0057-036
<b>BNC 75Ω Plug to BNC 75Ω Plug</b>						
Belden 8218	12	J5512-ND	16.41	12.31	10.40	415-0047-012
	24	J5524-ND	17.47	13.10	11.07	415-0047-024
	36	J5536-ND	18.97	14.23	12.02	415-0047-036
RG-59	12	J5612-ND	16.97	12.73	10.75	415-0048-012
	24	J5624-ND	18.00	13.50	11.40	415-0048-024
Belden 735A	12	J5912-ND	19.03	14.28	12.06	415-0051-012
	24	J5924-ND	22.63	16.98	14.34	415-0051-024
Belden 735A	36	J5936-ND	26.75	20.06	16.94	415-0051-036
	<b>N Plug to N Plug</b>					
RG-58	12	J6612-ND	16.97	12.73	10.75	415-0058-012
	24	J6624-ND	18.00	13.50	11.40	415-0058-024
	36	J6636-ND	19.55	14.66	12.38	415-0058-036
	48	J989-ND	26.67	20.00	16.89	415-0058-048
RG-142	12	J6812-ND	22.63	16.98	14.34	415-0060-012
	24	J6824-ND	29.32	21.99	18.57	415-0060-024
	36	J6836-ND	36.00	27.01	22.81	415-0060-036
RG-8	12	J7012-ND	21.09	15.82	13.36	415-0062-012
	24	J7024-ND	25.72	19.29	16.29	415-0062-024
	36	J7036-ND	29.83	22.38	18.90	415-0062-036
<b>SMA Plug to N Plug</b>						
RG-58	12	J6712-ND	17.49	13.12	11.08	415-0059-012
	24	J6724-ND	19.03	14.28	12.06	415-0059-024
	36	J6736-ND	20.06	15.05	12.71	415-0059-036
RG-142	12	J6912-ND	22.63	16.98	14.34	415-0061-012
	24	J6924-ND	29.83	22.38	18.90	415-0061-024
	36	J6936-ND	36.00	27.01	22.81	415-0061-036
<b>SMA Plug to BNC Plug</b>						
RG-316	6	J3606-ND	16.36	12.27	10.37	415-0028-006
	12	J3612-ND	16.80	12.60	10.64	415-0028-012
	24	J3624-ND	17.80	13.36	11.28	415-0028-024
	36	J3636-ND	19.19	14.39	12.16	415-0028-036
RG-58	12	J4512-ND	13.81	10.36	8.75	415-0037-012
	24	J4524-ND	16.46	12.35	10.43	415-0037-024
	36	J4536-ND	17.49	13.12	11.08	415-0037-036
RG-142	12	J5012-ND	20.57	15.43	13.03	415-0042-012
	24	J5024-ND	26.75	20.06	16.94	415-0042-024
	36	J5036-ND	33.43	25.08	21.18	415-0042-036
<b>SMA Quick-Connect Plug to SMA Plug</b>						
RG-316DS	12	J791-ND	44.66	33.50	28.29	415-0078-012
	24	J792-ND	46.34	34.76	29.35	415-0078-024
	36	J793-ND	48.77	36.58	30.89	415-0078-036
RG-142	12	J794-ND	51.01	38.26	32.31	415-0079-012
	24	J795-ND	57.92	43.45	36.69	415-0079-024
	36	J796-ND	63.68	47.76	4	



A

**Right Angle to Right Angle Cables**

Cable Type	Dimension L (Inch)	Digi-Key Part No.	Price Each			Johnson Part No.
			1	10	25	
<b>SMB Plug to SMB Plug</b>						
RG-178	6	J1006-ND	20.57	15.43	13.03	415-0001-006
	12	J1012-ND	21.60	16.20	13.68	415-0001-012
	24	J1024-ND	23.66	17.75	14.99	415-0001-024
	36	J1036-ND	25.72	19.29	16.29	415-0001-036
RG-316	6	J7306-ND	19.03	14.28	12.06	415-0004-006
	12	J7312-ND	19.55	14.66	12.38	415-0004-012
	24	J7324-ND	21.09	15.82	13.36	415-0004-024
	36	J7336-ND	22.63	16.98	14.34	415-0004-036
<b>MCX Plug to MCX Plug</b>						
RG-178	6	J2306-ND	16.97	12.73	10.75	415-0015-006
	12	J2312-ND	18.52	13.89	11.73	415-0015-012
	24	J2324-ND	20.06	15.05	12.71	415-0015-024
	36	J2336-ND	22.63	16.98	14.34	415-0015-036
RG-316	6	J2706-ND	18.11	13.58	11.47	415-0019-006
	12	J2712-ND	18.67	14.01	11.83	415-0019-012
	24	J2724-ND	20.37	15.28	12.90	415-0019-024
	36	J2736-ND	21.50	16.13	13.62	415-0019-036
RG-316DS	6	J2906-ND	18.11	13.58	11.47	415-0021-006
	12	J2912-ND	17.81	13.36	11.29	415-0021-012
	24	J2924-ND	20.93	15.70	13.26	415-0021-024
	36	J2936-ND	22.63	16.98	14.34	415-0021-036
<b>MMCX Plug to MMCX Plug</b>						
RG-178	6	J736-ND	34.95	26.22	22.14	415-0068-006
	12	J737-ND	36.47	27.36	23.10	415-0068-012
	18	J738-ND	37.78	28.34	23.93	415-0068-018
	24	J739-ND	39.09	29.32	24.76	415-0068-024
RG-316	6	J740-ND	32.73	24.55	20.73	415-0069-006
	12	J741-ND	33.66	25.25	21.32	415-0069-012
	18	J742-ND	34.60	25.95	21.92	415-0069-018
	24	J743-ND	35.54	26.66	22.51	415-0069-024
<b>SMA Plug to SMA Plug</b>						
RG-178	6	J3506-ND	24.17	18.14	15.32	415-0027-006
	12	J3512-ND	25.20	18.90	15.96	415-0027-012
	24	J3524-ND	27.77	20.84	17.60	415-0027-024
	36	J3536-ND	29.83	22.38	18.90	415-0027-036
RG-316	6	J4006-ND	20.06	15.05	12.71	415-0032-006
	12	J4012-ND	20.57	15.43	13.03	415-0032-012
	24	J4024-ND	22.12	16.59	14.01	415-0032-024
	36	J4036-ND	23.66	17.75	14.99	415-0032-036
RG-316DS	6	J4406-ND	22.63	16.98	14.34	415-0036-006
	12	J4412-ND	21.48	16.11	13.61	415-0036-012
	24	J4424-ND	24.89	18.68	15.77	415-0036-024
	36	J4436-ND	25.14	18.86	15.93	415-0036-036
RG-58	12	J4912-ND	20.95	15.72	13.27	415-0041-012
	24	J4924-ND	23.66	17.75	14.99	415-0041-024
	36	J4936-ND	24.69	18.52	15.64	415-0041-036

**Straight to Right Angle Cables**

Cable Type	Dimension L (Inch)	Digi-Key Part No.	Price Each			Johnson Part No.
			1	10	25	
<b>SMB Plug to SMB Plug</b>						
RG-316	6	J1106-ND	18.52	13.89	11.73	415-0002-006
	12	J1112-ND	19.55	14.66	12.38	415-0002-012
	24	J1124-ND	20.57	15.43	13.03	415-0002-024
	36	J1136-ND	22.12	16.59	14.01	415-0002-036
RG-178	6	J1506-ND	22.63	16.98	14.34	415-0007-006
	12	J1512-ND	23.66	17.75	14.99	415-0007-012
	24	J1524-ND	26.23	19.68	16.62	415-0007-024
	36	J1536-ND	28.29	21.22	17.92	415-0007-036
<b>MCX Plug to MCX Plug</b>						
RG-316	6	J2506-ND	16.97	12.73	10.75	415-0017-006
	12	J2512-ND	17.54	13.16	11.11	415-0017-012
	24	J2524-ND	18.67	14.01	11.83	415-0017-024
	36	J2536-ND	20.37	15.28	12.90	415-0017-036
<b>SMA Plug to SMA Plug</b>						
RG-178	6	J3406-ND	21.91	16.43	13.88	415-0026-006
	12	J3412-ND	22.87	17.15	14.49	415-0026-012
	24	J3424-ND	24.99	18.75	15.83	415-0026-024
	36	J3436-ND	27.65	20.75	17.52	415-0026-036
RG-316	6	J3806-ND	18.00	13.50	11.40	415-0030-006
	12	J3812-ND	18.52	13.89	11.73	415-0030-012
	24	J3824-ND	19.47	14.61	12.34	415-0030-024
	36	J3836-ND	21.50	16.13	13.62	415-0030-036
RG-316DS	6	J4206-ND	18.00	13.50	11.40	415-0034-006
	12	J4212-ND	19.03	14.28	12.06	415-0034-012
	24	J4224-ND	20.57	15.43	13.03	415-0034-024
	36	J4236-ND	22.12	16.59	14.01	415-0034-036
RG-142	12	J5212-ND	25.20	18.90	15.96	415-0044-012
	24	J5224-ND	31.89	23.92	20.20	415-0044-024
	36	J5236-ND	38.57	28.94	24.44	415-0044-036
<b>SMA Bulkhead Jack to MMCX Plug</b>						
RG-178	6	J754-ND	33.07	24.81	20.95	415-0072-006
	12	J755-ND	34.57	25.93	21.90	415-0072-012
	18	J756-ND	35.88	26.91	22.73	415-0072-018
	24	J757-ND	37.19	27.89	23.56	415-0072-024
	30	J758-ND	38.50	28.87	24.39	415-0072-030
	36	J759-ND	39.81	29.85	25.22	415-0072-036

Cable Type	Dimension L (Inch)	Digi-Key Part No.	Price Each			Johnson Part No.
			1	10	25	
RG-316	6	J759-ND	30.18	22.64	19.12	415-0073-006
	12	J760-ND	31.02	23.27	19.65	415-0073-012
	18	J761-ND	32.14	24.11	20.36	415-0073-018
	24	J762-ND	33.07	24.81	20.95	415-0073-024
	36	J763-ND	35.50	26.63	22.49	415-0073-036
<b>SMA Bulkhead Jack to SMA Plug</b>						
RG-316	6	J764-ND	27.84	20.88	17.64	415-0074-006
	12	J765-ND	28.78	21.59	18.23	415-0074-012
	24	J766-ND	30.65	22.99	19.41	415-0074-024
	36	J767-ND	33.26	24.95	21.07	415-0074-036
RG-316DS	6	J768-ND	35.13	26.35	22.25	415-0074-048
	12	J769-ND	28.52	21.40	18.07	415-0064-006
	24	J772-ND	29.30	21.98	18.56	415-0064-012
	36	J7224-ND	31.08	23.32	19.69	415-0064-024
RG-142	6	J7236-ND	33.49	25.12	21.21	415-0064-036
	12	J773-ND	32.28	24.22	20.45	415-0064-048
	18	J774-ND	33.26	24.95	21.07	415-0075-006
RG-142	12	J775-ND	36.81	27.61	23.32	415-0075-012
	24	J776-ND	43.91	32.94	27.82	415-0075-024
	36	J777-ND	51.57	38.68	32.67	415-0075-036
	48	J778-ND	58.49	43.87	37.05	415-0075-048

**Adapters**

Dimensions in (mm)

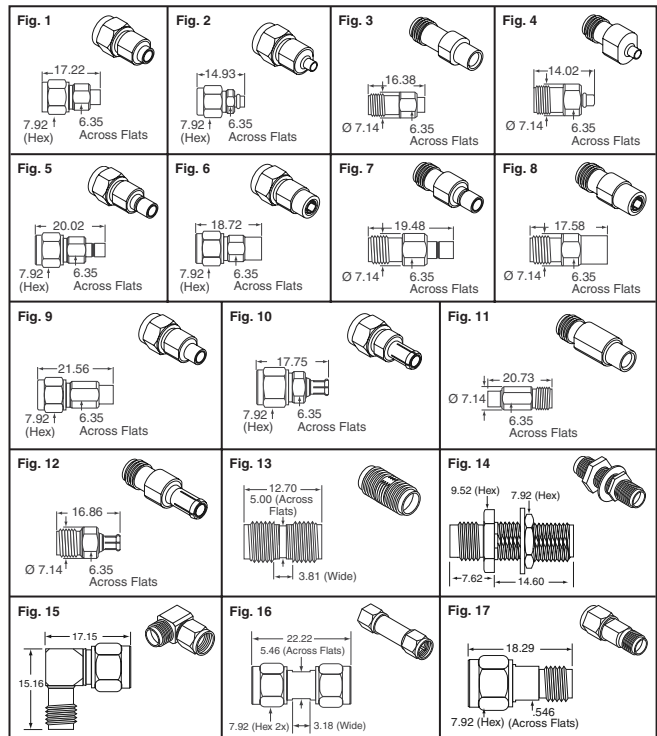


Fig.	Description	VSWR (GHz)	Frequency Range (GHz)	Digi-Key Part No.	Price Each 1	Johnson Part No.
1	SMA Plug to MMCX Jack	1.05 + .05f	0 - 6	J617-ND	39.60	134-1019-151
2	SMA Plug to MMCX Plug	1.05 + .05f	0 - 6	J618-ND	42.90	134-1019-161
3	SMA Jack to MMCX Jack	1.05 + .05f	0 - 6	J619-ND	36.30	134-1019-171
4	SMA Jack to MMCX Plug	1.05 + .05f	0 - 6	J620-ND	39.60	134-1019-181
5	SMA Plug to SMB Jack	1.05 + .01f	0 - 4	J621-ND	36.30	134-1012-011
6	SMA Plug to SMB Plug	1.05 + .01f	0 - 4	J622-ND	39.60	134-1012-021
7	SMA Jack to SMB Jack	1.05 + .01f	0 - 4	J623-ND	36.30	134-1012-031
8	SMA Jack to SMB Plug	1.05 + .01f	0 - 4	J624-ND	37.23	134-1012-041
9	SMA Plug to MCX Jack	1.03 + .03f	0 - 6	J625-ND	36.30	134-1018-001
10	SMA Plug to MCX Plug	1.03 + .03f	0 - 6	J626-ND	39.60	134-1018-011
11	SMA Jack to MCX Jack	1.03 + .03f	0 - 6	J627-ND	36.30	134-1018-021
12	SMA Jack to MCX Plug	1.03 + .03f	0 - 6	J628-ND	36.30	134-1018-031
13	SMA Jack to SMA Jack	1.05 + .005f	0 - 18	J655-ND	18.97	142-0901-801
14	SMA Jack to SMA Bulkhead Jack	1.05 + .01f	0 - 18	J659-ND	27.08	142-0901-401
15	SMA Jack to SMA Plug / Rt. Angle	1.035 + .02f	0 - 18	J632-ND	24.54	142-0901-941
16	SMA Plug to SMA Plug	1.05 + .01f	0 - 18	J633-ND	21.87	142-0901-811
17	SMA Plug to SMA Jack	1.05 + .005f	0 - 18	J656-ND	14.25	142-0901-821

Note: All Adapters are Gold plated.

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