

■ Connectivity....for
Business-Critical Continuity

RF Cable Assembly

Fixed Length Catalog



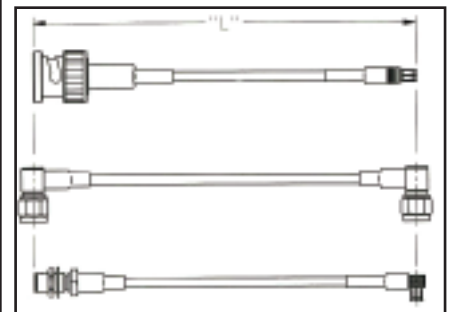
JOHNSON®


EMERSON™
Network Power

Electrical Ratings

Electrical ratings of a cable assembly are determined by the limiting connector type and cable size.

Connector	Cable	Connector Impedance (Ohms)	Frequency (GHz)	Dielectric Withstanding Voltage (Vrms)	Working Voltage (Vrms)
MMCX	RG-178	50	6	500 Vrms	170 Vrms
	RG-316	50	6	500 Vrms	170 Vrms
MCX	RG-178	50	6	750 Vrms	250 Vrms
	RG-316	50	6	1000 Vrms	335 Vrms
	RG-316 DS	50	6	1000 Vrms	335 Vrms
MCX 75 Ohm	RG-179	75	6	1000 Vrms	335 Vrms
	BELDEN 735A	75	6	1000 Vrms	335 Vrms
SMA	RG-178	50	12.4	500 Vrms	170 Vrms
	RG-316	50	12.4	750 Vrms	250 Vrms
	RG-316 DS	50	12.4	750 Vrms	250 Vrms
	RG-58	50	12.4	1000 Vrms	335 Vrms
	RG-142	50	12.4	1000 Vrms	335 Vrms
	Hand Formable .086	50	26.5	1000 Vrms	335 Vrms
	Hand Formable .141	50	26.5	1500 Vrms	500 Vrms
SMB	RG-178	50	4	750 Vrms	250 Vrms
	RG-316	50	4	1000 Vrms	335 Vrms
SMB Mini 75 Ohm	RG-179	75	2	1000 Vrms	335 Vrms
	RG-179 DS	75	2	1000 Vrms	335 Vrms
	BELDEN 735A	75	2	1000 Vrms	335 Vrms
BNC	RG-58	50	4	1500 Vrms	500 Vrms
	BELDEN 8218	50	4	1500 Vrms	500 Vrms
	RG-59	50	4	1500 Vrms	500 Vrms
	RG-59 PLENUM	50	4	1500 Vrms	500 Vrms
BNC True 75 Ohm	BELDEN 8218	75	3	1500 Vrms	500 Vrms
	RG-59	75	3	1500 Vrms	500 Vrms
	BELDEN 8281	75	3	1500 Vrms	500 Vrms
	COMMSCOPE 735	75	3	1500 Vrms	500 Vrms
	BELDEN 735A	75	3	1500 Vrms	500 Vrms
	BELDEN 734A	75	3	1500 Vrms	500 Vrms
N	BELDEN 1694A	75	3	1500 Vrms	500 Vrms
	RG-58	50	11	1500 Vrms	500 Vrms
	RG-142	50	11	1500 Vrms	500 Vrms
	RG-8	50	11	1500 Vrms	500 Vrms
	RG-213	50	11	1500 Vrms	500 Vrms



Johnson's® cable length applies to the end of straight connectors. The length is applied to the vertical centroid of right angle connectors.



If you don't see the cable assembly you require we can design and manufacture one to meet your unique specifications!

- Voltage/Continuity Test Fixture
- Interface location gauging
- VSWR Quality Assurance Scalar Analyzer
- VSWR/TDR Engineering Vector Analyzer
- CNC Hardline Bender (Semi-Rigid cables)
- Tested to customer specifications
- Flexible cable
- Conformable cable
- Semi-rigid cable
- 0 to 40 GHz
- 50 and 75 Ohms
- Controlled impedance
- Prototype available in 2 weeks

HAND FORM ABLE SM A STRAIGHT PLUG TO SM A STRAIGHT PLUG



Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0081-003	HAND FORM ABLE .086	3"	142-0693-001	142-0693-001
415-0081-004	HAND FORM ABLE .086	4"	142-0693-001	142-0693-001
415-0081-005	HAND FORM ABLE .086	5"	142-0693-001	142-0693-001
415-0081-006	HAND FORM ABLE .086	6"	142-0693-001	142-0693-001
415-0081-007	HAND FORM ABLE .086	7"	142-0693-001	142-0693-001



Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0081-008	HAND FORM ABLE .086	8"	142-0693-001	142-0693-001
415-0081-012	HAND FORM ABLE .086	12"	142-0693-001	142-0693-001
415-0081-018	HAND FORM ABLE .086	18"	142-0693-001	142-0693-001
415-0081-024	HAND FORM ABLE .086	24"	142-0693-001	142-0693-001

HAND FORM ABLE SM A STRAIGHT PLUG TO SM A STRAIGHT PLUG



Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0082-003	HAND FORM ABLE .141	3"	142-0694-001	142-0694-001
415-0082-004	HAND FORM ABLE .141	4"	142-0694-001	142-0694-001
415-0082-005	HAND FORM ABLE .141	5"	142-0694-001	142-0694-001
415-0082-006	HAND FORM ABLE .141	6"	142-0694-001	142-0694-001
415-0082-007	HAND FORM ABLE .141	7"	142-0694-001	142-0694-001



Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0082-008	HAND FORM ABLE .141	8"	142-0694-001	142-0694-001
415-0082-012	HAND FORM ABLE .141	12"	142-0694-001	142-0694-001
415-0082-018	HAND FORM ABLE .141	18"	142-0694-001	142-0694-001
415-0082-024	HAND FORM ABLE .141	24"	142-0694-001	142-0694-001

SM A STRAIGHT PLUG TO SM A STRAIGHT BULKHEAD JACK

Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0031-006	RG-316	6"	142-0403-011	142-0303-411
415-0031-012	RG-316	12"	142-0403-011	142-0303-411
415-0031-018	RG-316	18"	142-0403-011	142-0303-411
415-0031-024	RG-316	24"	142-0403-011	142-0303-411
415-0031-036	RG-316	36"	142-0403-011	142-0303-411
415-0031-048	RG-316	48"	142-0403-011	142-0303-411
415-0035-006	RG-316 DS	6"	142-0404-011	142-0304-411
415-0035-012	RG-316 DS	12"	142-0404-011	142-0304-411
415-0035-018	RG-316 DS	18"	142-0404-011	142-0304-411
415-0035-024	RG-316 DS	24"	142-0404-011	142-0304-411
415-0035-036	RG-316 DS	36"	142-0404-011	142-0304-411



Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0035-048	RG-316 DS	48"	142-0404-011	142-0304-411
415-0040-012	RG-58	12"	142-0407-011	142-0307-411
415-0040-024	RG-58	24"	142-0407-011	142-0307-411
415-0040-036	RG-58	36"	142-0407-011	142-0307-411
415-0040-048	RG-58	48"	142-0407-011	142-0307-411
415-0040-060	RG-58	60"	142-0407-011	142-0307-411
415-0045-012	RG-142	12"	142-0408-011	142-0308-411
415-0045-024	RG-142	24"	142-0408-011	142-0308-411
415-0045-036	RG-142	36"	142-0408-011	142-0308-411
415-0045-048	RG-142	48"	142-0408-011	142-0308-411
415-0045-060	RG-142	60"	142-0408-011	142-0308-411